Océ User manual

PRISMAproduction Server

POD-Module

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Information:
Phone +49 8121 72 3940
Fax +49 8121 72 3950

Océ Printing Systems GmbH
ITC
Postfach 1260
85581 Poing
Germany

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Contents

Chapter 1
Introduction **7**
Introduction 8
Introduction to the POD-Module 10

Chapter 2
The PRISMAproduction Desktop **13**
Log in to PRISMAproduction Server Linux 14
PRISMAproduction Server Menus 15

Chapter 3
PRISMAproduction Server 'Explorer' **19**
General Handling of the PRISMAproduction Server 'Explorer' 20
'Explorer' Main Window Functions 20
'Explorer' Main Menu Functions 23
'Explorer' Workspace and Session Concept 28
Create and Save User Defined Workspaces and Sessions 30
Common Functions of the 'Explorer' Applications 34
'Classic Explorer' 38
PRISMAproduction Server 'Explorer' on a Windows PC 41
Overview of the 'Explorer' Applications (POD) 42
'Explorer' Applications 44
'Connections' 44
'Connection Viewer' 44
'Server Files' 46
'Server Files' 46
'All Jobs' 52
'All Jobs' 52
'All Jobs': Menu and Tool Bar Functions 60
'All Jobs': 'Job Filter' 65
'All Jobs': 'Interrupt Jobs' 68
'All Jobs': 'Job Positioning for Job {0}' 69
'All Jobs': 'Job details viewer' 71
'Servers' 73
'Servers' 73
'Services' 76
'Services' 76
'Messages' 77
'Messages': Overview 77
'Messages': Menus 80

'Messages': Operator Requests....93
'VarioPJM'....95
'VarioPJM': Overview....95
VarioPJM: 'Job Setup / Notes'....98
VarioPJM: 'Settings'....102
VarioPJM: 'Additional Sheets'....106
VarioPJM: 'Special Pages'....109
PJM (Print Job Manager)....187
Introduction to the Print Job Manager....111
PJM Main Window....112
PJM Ticket Menu....114
PJM 'Job Parameter' Section....116
Jobsplitting per Job Copies....119
PJM 'List of Files' Section ('Edit' Menu)....121
File Selection Box....125
File Formats....128
Virtual Directories....130
'Job Attributes': Overview....132
'Job Attributes': 'Message'....134
'Job Attributes': 'Store'....135
'Job Attributes': 'Print'....139
'Job Attributes': 'Header/Trailer'....145
'Job Attributes': 'Start Job Events'....147
'Job Attributes': 'Start Print Events'....149
'Job Attributes': 'Notification'....150
'Job Attributes': 'Custom Settings'....151
PJM 'Job' Menu....152
PJM 'Utilities' Menu....158
'Set Working Mode'....159
'Printer Pool'....193
'Printer Pool': Overview....193
'Printer Pool': Tool Bar and Menu Functions....197
'Printer Pool': 'Printer Settings'....201
'Printer Pool': 'Printer Maintenance'....204
'Printer Pool': 'Printer Filter'....207
'Input Status'....209
'Input Status'....209
'Local files'....212
'Local files'....212
Configuration....215
Usage of the Configuration Interfaces....215
General Usage of the Configuration Applications....215
'User Management'....217
'User Management': 'User Info' for 'operator' and 'applic'....217

'Events'.....218
'Events' Configuration.....218
'Paper'.....219
'Paper' Configuration Tool.....219
Workflows.....222
Workflow 'Tab Printing'.....222
Workflow UP^{3}I Devices.....225
Workflow 'Color Selection'.....232
Workflow for scaling PDF files.....235
Workflow Media Assignement to Printers.....237
Workflow Extended AIMS Concept.....240

Chapter 1
Introduction

Introduction

PRISMAproduction Server V4.0

Océ PRISMAproduction Server Server V4.0 is the fifth generation of Océ print servers focusing mainly on IPDS printing systems.

Océ PRISMAproduction Server Server is a high performance output management system for corporate and commercial market segments. It can handle any application for monochrome, CustomTone and full color printing in the transaction printing environment AND on-demand segments ("Convergence"). It processes virtually any standard print description language. Output is focused on high-speed IPDS devices. Additional backends also allow non-IPDS devices to be driven in specific environments.

Customers printing AFP directly from mainframes can also benefit from the IPDS backend, since it is also used within PRISMAproduction Server Host (SPS module).

The PRISMAproduction Server Server POD-Module makes the powerful workflow engine suitable for graphical arts markets. In combination with additional PRISMA products such as DocSetter and PRISMAweb, it forms the PRISMA for PoD suite.

This solution creates a unified - converged - platform for mid to very high volume transaction printing and for publishing-type document printing on a variety of printing systems, spanning the full gamut of output speeds.

Due to its modular, scalable concept, Océ PRISMAproduction Server can be configured exactly to the customer's needs:

- Use of additional PDLs on one system platform
- Connection of one or more cutsheet and continuous feed printing systems
- Single server and cluster solutions with additional print servers and RIPs

The integration of the individual components into a **single** workflow system under a unified GUI makes the product a high availability system for all kinds of print applications.

Due to the following features PRISMAproduction Server is a high performance printer server, which combines stability and flexibility for production printing:

- A better throughput of data allows you to connect more and faster printing systems. Server HW platform independency for low volume installations
- You can manage and print jobs of more than 2 gigabyte.
- An extended LINUX server operating system supports modern server technologies.
- The combination of several servers in a network increases performance and guarantees high system stability.
- SNMP assists you in monitoring an maintaining the system locally or via remote control.

- PRISMAproduction Server Server V4.0 is a modular system which allows you to combine all available language modules in one system.
- PRISMAproduction Server Server V4.0 is also a scalable system providing print performance up to 1000 ipm.
- You can enhance performance and stability by selecting from a variety of industrial standard server models, by cross-linking servers and by the use of multi-processor systems.
- The "Print while spooling/downloading" function enables PRISMAproduction Server Server V4.0 to start printing during the transmission of data. This function is provided for MVS Direct and MVS Download users as well as for offline users.
- Support for VarioStream 9240 and ColorStream 10000 Full Color and Multilevel Gray / Graphic Arts Plus.
- Enhanced IPDS backend (AFP Color Consortium)
- Enhanced JDF support with JDF Tickets and JMF Feedback.
- Enhanced UP3I support
- Enhanced PJL backend (now “PCL module”)
- Using CIS in Workflow (Job Splitting, Indexing or Resource Packaging)
- Server HW platform independency for low volume installations.
- Two parallel LCDS Process chains.
- DPconnect: DigiPath V4.0 support.

Graphical User Interface

The administration and configuration of the system is centralized in the PRISMAproduction Server 'Explorer'. This java-based graphical user interface has the following features:

- Monitoring and handling of all print jobs independent of the printer language, workflow and interface by means of the common spool.
- Changes in the configuration are detected automatically, for example printers and resources can be added dynamically to the system without restating the GUI.
- Status changes are communicated by events, for example no polling in monitoring components necessary, better overall performance.
- Exact repositioning and reprinting of jobs in case of an error.
- The PRISMAproduction Server Explorer also works as a standalone application in a distributed network allowing you to realize a centralized administration of the system independent of the physical location of the server(s).

Introduction to the POD-Module

Introduction to the POD-Module

PRISMA for PoD is offered as a solution for print shops and print service providers in the graphic arts industry, which can contain parts of other product categories such as PRISMAtools. This manual describes the POD-Workflow Module as part PRISMAproduction Server Server V4.

The complete POD solution always consists of four main components:

- Document generation (prepress)
- Print process control
- High performance printer
- Paper preprocessing and finishing

You can **generate documents** (prepress) in different ways, using desktop publishing software, for example, word processors, form generators and scanners.
The documents are then transferred to the **print process control**. This directs the entire print process, from receiving the print jobs and converting the data to a printable format through to impositioning the pages. The control element starts the print process and tracks the print jobs through to completion.
As a rule, one or more computer systems (PCs) are used for controlling the print process. These are termed servers.
Via a server, the PoD system can be fully integrated into existing data processing and prepress environments. Océ offers various server components, so enabling users to tailor their system configuration to suit their specific needs.
The **high performance printer** is the kernel of a PoD system. Océ offers a wide range of powerful cut sheet and fanfold printers. They print black and white or two colors, and on one or both sides of the paper. The printer transfers the digital information to paper through electrophotography. This process guarantees excellent print quality with a standard resolution of 600 dpi.
Custom-selected **paper preprocessing** and **finishing components** round off the PoD system: for example, roll unwinders for continuous (fanfold) paper feed, devices for the output of cut sheet stacks or components with bookbinding functions.
Preprocessing and finishing components can run either online (directly connected to the printing system) or offline. With online finishing, the system delivers cut sheet stacks, bound and/or folded booklets and books, all produced in a single, continuous workflow.

In contrast to former versions of the POD-Module the latest release offers the following benefits for upgrade customers:

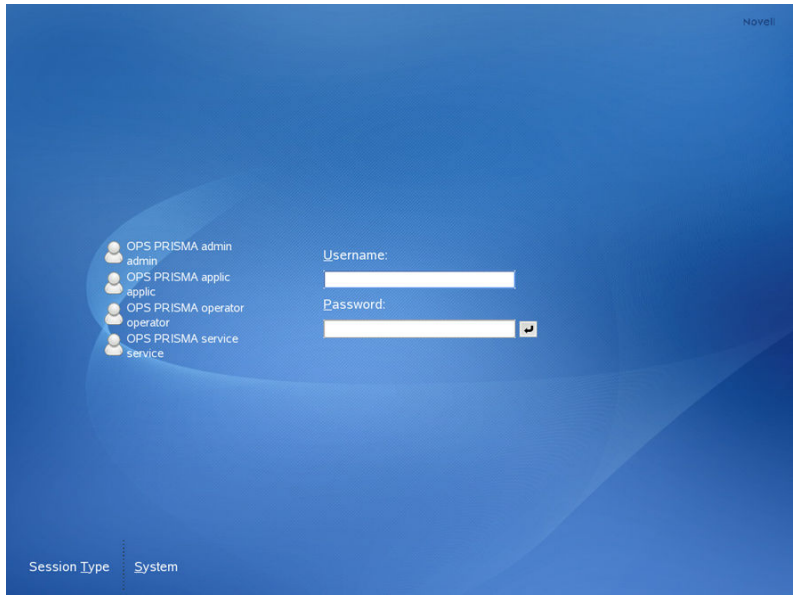
- Pre-press and print job submission can be done at any workplace; Print Job Manager runs with full functionality in the web browser (Java technology)
- Beginning with version 3, Unity RIP can also run on the PRISMAproduction Server Server under Linux; this increases performance by 50 %

- Unity RIP for converting PostScript and PDF into AFP (IOCA images). Unity RIP supports CustomTone™ for PostScript and PDF. Unity RIP Version 4.0 includes the upgrade to PDF V 1.6
- TIFF Converter supports CustomTone™
- PCL Converter – from PCL into AFP (IOCA images), mixplex printing, resource handling (Basic)
- PS/PDF output converter – to send the above mentioned converted files to PS printers or folders (PDF)
- Graphic Arts for transferring containerized PDF files to the VS9xxx and CS10000 (direct ripping in the controller)
- DPconnect – converts DigiPath data streams (RDO) into AFP (IOCA images). DigiPath job ticket information is transferred into the PRISMAproduction Server internal format.
- DPconvert – converts DigiPath RDO files without losing the original job ticket information, for use with DocSetter and DocWorks. From these products, the job can be send to PRISMAproduction Server.
- VPconvert – a new converter to handle Xerox VIPP file formats. This converter is only working in conjunction with the Unity RIP
- PDC (Professional Document Composer) for imposing of print jobs
- PFL (Print File Library) for storing & easy reprinting of print jobs. The Print File Library is supported by a database. The new facility for searching for data in job tickets makes locating print files a much faster and simpler process

Chapter 2
The PRISMAproduction Desktop

Log in to PRISMAproduction Server Linux

Illustration



Log on to the PRISMAproduction Server

When you power on the print server, the login screen is displayed. By default, you can log in as the user "operator", "applic", "admin "or "service".
You can also log in as user "root" with the respective password.

After you have entered username and password click the 'Return' button. The KDE desktop appears. Now click the 'Explorer' button (), which is preconfigured in the bottom bar for the default PRISMAproduction Server users.
PRISMAproduction Server will be started automatically without password entry if the user ID is configured as 'Auto'.

PRISMAproduction Server Menus

Introduction

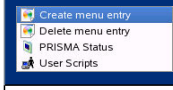
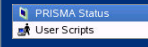
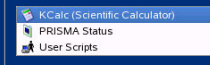
Clicking the Linux KDE button and then gives you access the PRISMAproduction Server menus, which call functions not included in the Java environment of the PRISMAproduction Server 'Explorer'.
The available items in this menu depend on the language modules installed and on the unser ID.
Some functions like 'Create menu entry' and 'Delete menu entry' are not accessible for the users 'operator', 'applic' and 'admin'.
The user 'service' is the only user who has full access to all menu functions.

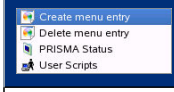
System

Menu Entry	Description
Reboot	Reboots the system.
Shutdown	This command opens a dialog box to confirm or cancel the system shutdown. The system must always be shut down properly before the print server is powered off!

User Utilities

There are different functions for the different basic users:

'User Utilities' for service:	'User Utilities' for admin:	'User Utilities' for applic and operator:
		
'Create menu entry'	Opens a shell script which allows you to create a new menu entry for a defined user group. After the creation of the entry you can assign any program to be launched if you click the entry. This entry will be visible in the submenu of the 'User Utilities' menu, if you log on under the defined user group.	
'Delete menu entry'	Deletes the menu entries created for the different user groups via a shell script.	

'User Utilities' for service: 	'User Utilities' for admin:	'User Utilities' for applic and operator:
'PRISMA Status'	Issues a console message, which informs you on the start and test of PRISMAproduction Server components.	
'User Scripts'	Allows the 'service' and 'admin' user to select and execute customized programs or shell scripts without direct access to the operating system: The scripts, which appear on the 'Sandard' tab are stored in '/u/prismapro/cfg/userscripts/user'. The scripts/programs under the 'Standard' tab are available for all users. Depending on the log in ID, the second tab is labeled with the respective user ID name. It provides scripts/programs only accessible for this user ID. These scripts are stored in '/u/prismapro/cfg/userscipts/admin ... service'. Click on the folder button to select a user script, for example "monthly report". If you start the file by clicking the traffic light, a script file is called up, for **example**: '#This is a script file which should be executed only in June!' 'spsprt -class 3 -formdef F10101 -pagedef P1STD3 /u/pismapro/job/report'	
'KCalc (Scientific Calculator)'	Starts the Linux calculator application. For the users 'service' and 'admin' this application can reached via the KDE main menu ('Tools').	

Reset PRISMAproduction Server

Menu Entry	Description
Reset PRISMAproduction Server	This feature stops and restarts the communicator and all server processes (daemons, services) on the local system. Every time a saving or restoring of the PRISMAproduction Server configuration was performed, a 'Reset PRISMAproduction Server' has to be executed on all servers, starting with the master system. Please close Explorer window before executing 'Reset PRISMAproduction Server'.

Chapter 3
PRISMAproduction Server 'Explorer'

General Handling of the PRISMAproduction Server 'Explorer'

'Explorer' Main Window Functions

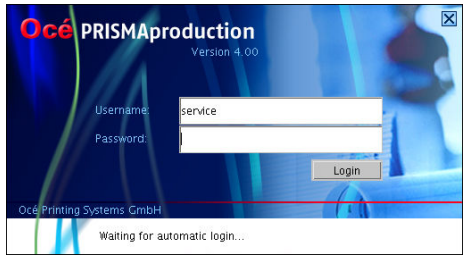
Introduction

PRISMAproduction Server 'Explorer' represents a frame, which provides access to all java based PRISMAproduction Server components like the PJM, job lists or the message system, etc. Furthermore it allows you to configure workspaces and to individually adjust them to your requirements.

Log in

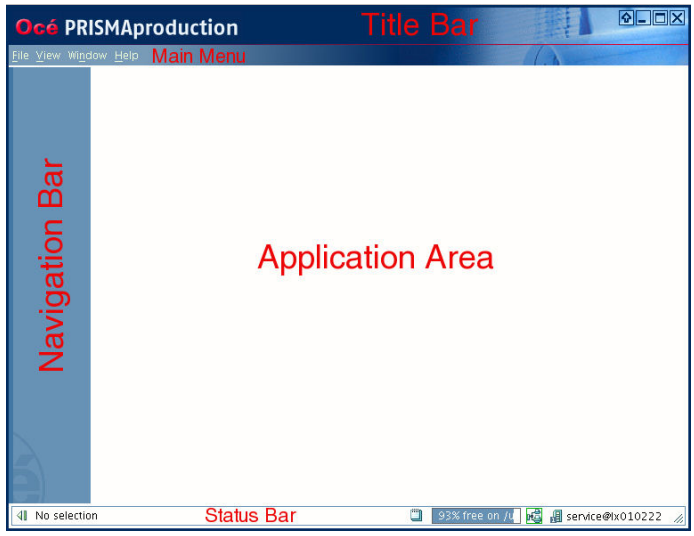
Log in to the system see: *'Log in to Linux'* on page 14.

Clicking the Linux KDE button and then PRISMA Explorer (or clicking the icon in the bottom bar of the Linux desktop) opens the login screen to the PRISMAproduction Server 'Explorer':



If the user is configured for 'Auto' login (see chapter "User Management" -> "User" in the PRISMAproduction Server Administrator's Guide), the 'Explorer' opens automatically. The basic layout of the 'Explorer' is like follows:

Illustration



Layout of the Explorer Window

The **title bar** offers standard functionality like maximizing, restoring, minimizing and closing. It also contains a system menu which provides this functionality. The system menu will pop-up when a single-right-click is made on the title bar OR when a left-click is made on the Océ logo in the title bar. Double clicking the title bar maximizes the 'Explorer' or restores the former layout.

The functions of the 'Explorer' main menu are described here: *'Explorer Main Menu Functions'* on page 23

The **navigation bar** holds the workspaces of a session and allows users to navigate through current open view areas. The latter are called workspaces. The navigation bar can be minimized using the small icon in the left corner of the status bar.

The **status bar** gives the user usefull feedback about the activities of the PRISMAproduction Server system. On the left side a small button allows you to minimize/enlarge the navigation bar. Next to this icon the currently active workspace is displayed.

At the right side of the status bar, the following information is shown:

- The icon with the red question mark indicates, that there are operator questions, which have not yet been answered. Click on this icon to display the questions (see *'Messages: Operator Requests'* on page 93).

- A progress bar displays of the amount of free space on the /u filesystem. If you touch this indicator with the mouse, a tooltip displays the usage of the /u file system of all slaves in the cluster.
- The color of the icon next to the progress bar indicates the status of the PRISMAproduction Server network:
  Green: status ok, job acception and processing are enabled.
  Red: either the servers or the job acception and/or the job processing have been disabled.
- Next to this, the hostname and the currently logged-in user are displayed.

Function of the Title Bar Icons

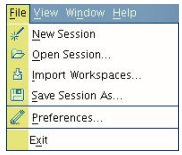
Icon	Description
Minimize	Available in nomal mode, maximized mode and full screen.
Maximize/Restore	Available in normal mode, minimized mode and maximized mode.
Close	Available in all modes.
Full Screen	Reduces the size of the title bar. Available in nomal mode and maximized mode.
Normal Screen	Revertes the 'Full Screen' function. Available in full screen mode.

'Explorer' Main Menu Functions

Introduction

The PRISMAproduction Server 'Explorer' main menu is always located underneath the title bar on the left side of the 'Explorer' window.
The "File" menu allows you to create or modify so called **sessions** to build a user defined PRISMAproduction Server interface which suits your needs.
With the help of the "View" menu, you can add applications to the sessions.

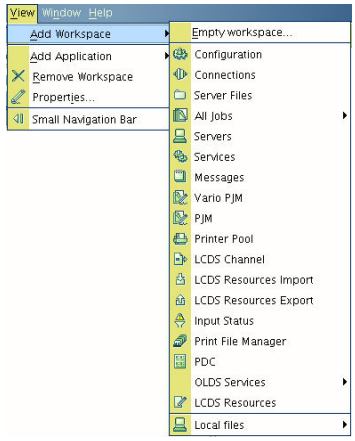
'File' Menu



Menu Item	Function
'New Session'	Opens a new 'Explorer' session, which not yet contains workspaces or applications. You can use this empty session to built an individually configured user interface.
'Open Session...'	Allows you select a predefined or user defined Explorer-Session. See *'Explorer Workspace and Session Concept'* on page 28.
'Import Workspaces...'	Opens the same file selection dialog as above.
'Save Session As...'	You can save you own user defined session under a new name (see *'Create and Save User Defined Workspaces and Sessions'* on page 30). PRISMAproduction Server offers the $SHARED directory to save sessions. You can also save sessions in other directories if you have the permission to write into these directories. The user 'Operator' has no right to save sessions in the $SHARED directory.
'Revert to Default Session'	This function is only visible for users, which have no permission to modify sessions. The modification, which have been done in the user interface are reset by reloading the default session (see "Default Session" in *'Create and Save User Defined Workspaces and Sessions'* on page 30).

Menu Item	Function
'Preferences...'	Opens a dialog box with the following options: Application menus can be made visible, as soon the mouse enters the title bar of an application. Application lists can be sorted alphabetically. You can define a custom title bar. See *'Explorer Workspace and Session Concept'* on page 28.
'Exit'	Exits the 'Explorer'. The last settings of the explorer will automatically be saved. If you restart the program all windows will be rebuilt.

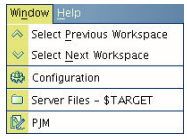
'View' Menu



Menu Item	Function
'Add Workspace'	Click this entry to add an empty workspace or an application from the list to the session. The application is opened in a new workspace.
'Add Application'	As above, but does not offer an empty workspace and adds the application selected to the workspace, which is currently active.
'Remove Workspace'	Removes the active workspace. This applies to the icon in the navigation bar.
'Properties'	Opens the properties dialog for the selected workspace. Here you can modify the name of the workspace and its icon.

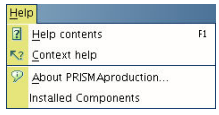
Menu Item	Function
'Small Navigation Bar'	Deminishes the navigation bar to make the best use of the entire screen. You still can select the workspaces, which are in the session.

'Window' Menu



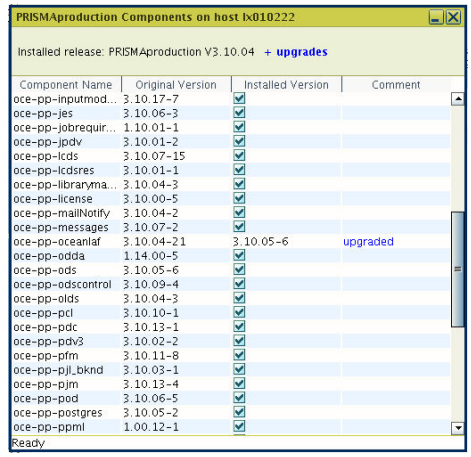
Menu Item	Function
'Select Previous Workspace 'Select Next Workspace'	Allows you to switch between the workspaces, which belong to the current session.
Workspace Names	Lists all workspaces, which belong to the current session. Clicking on them opens the respective application. If a workspace contains more than one view, these views are integrated between two lines. If you select a view, the menu bar of the respective application is expanded.

'Help' Menu



Menu Item	Function
'Help contents'	Opens the main help page for the PRISMAproduction Server 'Explorer'. You can also use F1.
'Context help'	If you have selected this menu item, you can click on a item of the user interface to open a related help window (not all items are linked to context sensitive topic).

Menu Item	Function
About PRISMAproduction...	Opens a window with version and copyright information.
'Installed Components'	A window opens which shows the installed PRISMAproduction Server release and its components. It is marked when it was modified (upgraded, downgraded, ...) compared to the original delivered software package. Every server in the PRISMAproduction Server cluster has an own panel. The first tab shows the primary server, the following ones show the secondary servers. The request is always performed after installation and when booting a server. When a server is connected to its master, the version information is transferred to the master. The title line shows the PRISMAproduction Server version of each server. The title line additionally shows the following information: **Original** (black) The installed version is identical with the released version. **Pre-release** (red) The installed version has not yet been released. **+ upgrades** (blue) One or more components have been upgraded. **+ downgrades** (blue) One or more components have been downgraded **+ upgrades + downgrades** (blue) One or more components have been upgraded and one or more components have been downgraded. **Incomplete** (red) For the installed version one or more components are missing, which may result in errors when executing the program

Menu Item	Function
	

The 'Comment' column displays the current status of each component:

add on

Component is not a standard PRISMAproduction delivery

downgraded

Installed version is older than the target component.

upgraded

Installed version is newer than the target component.

not installed

Component is not installed.

Note: '/u/prismapro/bin/prismadiag' has a new option –V to create a file /u/prismapro/diag/version/versions.html which shows the PRISMAproduction Server versions of all servers of the PRISMAproduction Server cluster. This file is also automatically integrated into the normal prismadiag compressed info archive file.

'Explorer' Workspace and Session Concept

Introduction

To provide a task related operation of the system, the 'Explorer' is based on a workspace concept. A workspace is defined as an area that hosts one or more applications (also called views). Only these applications are open, which the user needs for his special task. Additionally the applications are already arranged in an expedient way.

Definition

Task related workspaces can be described by the following features:

- Each workspace can contain one or more application(s) (for example: PJM, PDC).
- Only these applications are active which are required for the task.
- The selection and arrangement of applications within a workspace can be modified. You can change the size of the applications or hide them completely.
- Changing to another workspace is always possible.
- The full functionality of an application in a workspace is not restricted (for example clicking on a job ticket opens the PJM).
- The current settings are saved and will be restored if you open the explorer again.

PRISMAproduction Server Sessions

Several workspaces can be opened at the same time. The navigation bar allows the user to navigate through the currently open workspaces. This is called a "Session". Sessions can be saved for later use. The figure below illustrates how a saved session can be opened again. Note that the default path is $SHARED and that session files have the .psn extension.

See also: *'Create and Save User Defined Workspaces and Sessions'* on page 30

Predefined Sessions

To open a session use the 'File' -> 'Open Session...' menu item. A dialog is opened, providing available sessions. Note that there are some predefined sessions like 'admin.psn' and 'classic-operatior.psn'. These sessions are created again on every new installation of PRISMAproduction Server (i.e. all changes will be reset). With the commands 'New Session' and 'Save Session As...' user defined sessions can be added to the list of predefined sessions.

The following predefined sessions are available:

Classic-Operator Session

- Monitoring of the jobs
- Control of the printers
- Monitoring of the print process

The Classic-Operator session is the default session for the user "operator"

Operator Session

- In addition to the tasks of the classic-operator session, the operator session allows the usage of the Print Job Manager.

The Operator session is the default session for the user "applic".

Admin Session

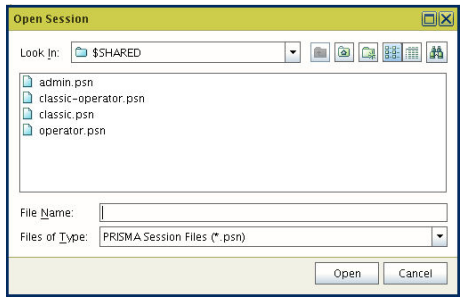
- Gives access to all configuration tools of the system
- Access to all devices, libraries and resources of the PRISMAproduction Server system.

The Admin session is the default session of the users "admin" and "service".

Classic Session

Opens the 'Classic Explorer' as it is known from the previous versions of PRISMAproduction Server. On the left you find the familiar tree stucture, which allows you to launch the applications with a double click of the mouse. See *'Classic Explorer'* on page 38.

Illustration

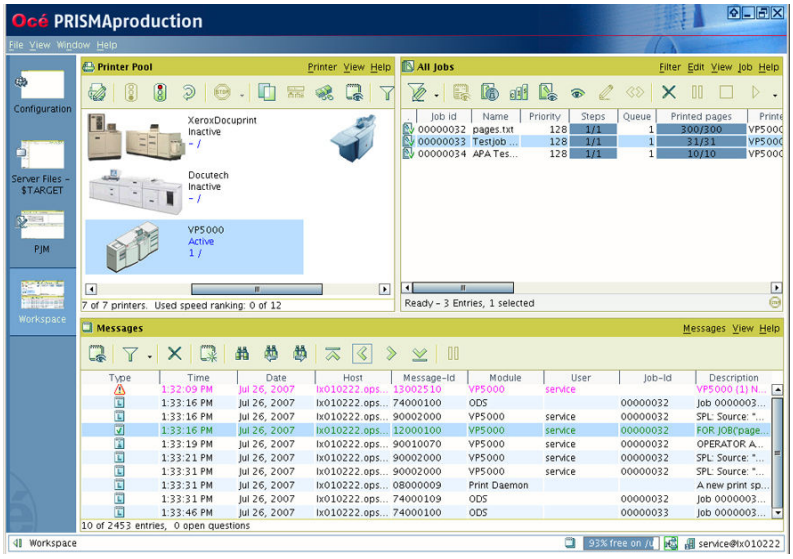


Create and Save User Defined Workspaces and Sessions

Introduction

You can create your own workspaces, combine these workspaces with other workspaces and save the result as a session. What you are exactly allowed to do, depends on your permissions as a PRISMAproduction Server user. The following describes how you can create/modify a session. To design a new session you can choose from the following actions:

Illustration



[24] Sample workspace containing the Printer Pool, Servers and the Messages applications

Create Sessions

To design a new session you can choose from the following actions:

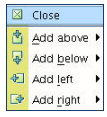
- Select '&New Session' from the 'Explorer''&File' menu: A new, empty session will be created.
- Right-mouse-click on the navigation bar and choose '&Add Workspace'. A workspace, containing the selected application, is automatically created. An icon in the navigation bar represents the workspace. OR
- Click on the '&View' menu and choose '&Add Workspace' to achieve the same result.

To place more than one application in one workspace proceed as follows:

- Right-mouse-click on the workspace icon in the navigation bar and select '&Add Application' to add another application to you workspace. OR
- Click on the '&View' menu and choose '&Add Application' to achieve the same result.

To change the layout of the workspace, you can use drag and drop or the menus. To drag and drop a view, simply left-click on the view header and move the view around. A blue frame will preview the new layout of the workspace as it would look after dropping the dragged view. It is also possible to drag a view outside the current workspace into another workspace or into the navigation bar.

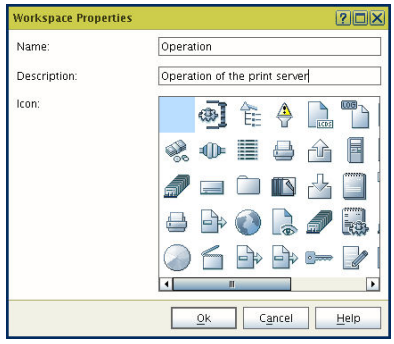
There is also a context menu, which opens if you right-click on a application header. This menu allows you to close existing or to add new applications on different positions in the workspace:



Now you can add more workspaces to create your user defined session.

'Workspace Properties'

Each workspace has its own set of properties. When selecting the properties entry of a workspace, a dialog is displayed.



- 'Name:'
  Represents the name of the workspace. This name is displayed in the navigationbar.
- 'Description:'
  Represents the description of the workspace. The description is displayed in the tooltip as soon as the mouse is moved over the workspace icon in the navigationbar.
- 'Icon:'

The icon to be used in the navigationbar as a representation of the workspace. When no icon is choosen (an empty selection), a so-called dynamic icon will be used. This dynamic icon shows the current layout of the workspace it represents.

Save Sessions

Your workspaces will automatically be saved when you log off. You can also save your session explicitly under a name to which you can always return after modifications and which can be assigned to another user.

To save a user defined session, click '&Save Session As...' in the '&File' menu. In the dialog box enter a suitable name and click 'OK'. The new workspace will automatically be saved with the extension **.psn**.

Note:
Per default sessions are saved in the $SHARED directory. But the user 'operator' is not allowed to access this directory for writing. Therefore sessions can also be saved in the $TARGET directory. The user 'operator' is allowed to write to this directory also via the Launcher. Additional sessions can be saved to any local directory.

Note:
Session files are not saved by the Configuration -> Backup/Restore component. For example in case of a new installation the adminstrator has to save the session files manually.

Default Session

PRISMAproduction Server automatically saves the workspaces, which was last used by a user, when he logs off from the 'Explorer' on a certain machine. When this user logs on again, this workspace is loaded again.

If a user logs on and PRISMAproduction Server finds no saved session, the default session, which is assigned to the user, will be opened. The default session will for instance always be opened if a new user logs on for the first time.

If needed, a different default session (pre or user defined) can be assigned to the user group (exept for the standard user groups). The assignement is performed via the configuration application 'User Permissions'. See chapter "User Management" -> "User Permissions" in the PRISMAproduction Server Administrator's Guide.

Note:
The default session is especially important, if the operation should be organized in a way that certain users should only be allowed to work with some specified applications.

Assign a Predefined Session to a User

Administrators have the possibility to create suitable sessions and to save them as default sessions for these users who should only be allowed to work with selected applications (e.g. operators). The administrator assigns such a custom made session as default session to the operator user and withdraws his session rights.

The assigned default session will always be opened for users without session rights. Without these permissions, the user is not able to leave his predefined session. The administrator has always the possibility to adjust the contents of the default session according to the actual requirements. A message informs the user in case of modifications.

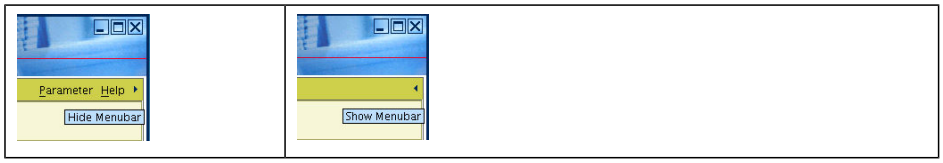
Common Functions of the 'Explorer' Applications

Introduction

The following chapter contains some general notes on functions which are common for all PRISMAproduction Server 'Explorer' applications.

Menu Bar

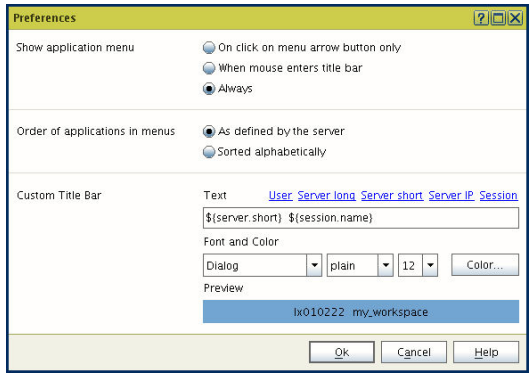
The menu bar of an application opens if you click on the small black arrow right in the title bar of every active application. The menu bar disappears again if your mouse pointer leaves this area.



You can configure the way this menu bar is displayed by choosing ’File’ -> ’Preferences...’ in the main menu bar.

If you activate ’Always’, the menu bars will be always visible in all applications. Additionally you can define, if the applications in the 'Add Workspace' or 'Add Application' menus should be sorted alphabetically.
The lower half of the 'Preferences' window allows you to set up a ’Custom Title Bar’, which will be displayed right on top of the 'Explorer' window. This can be useful for example if you open several PRISMAproduction Server systems via the Launcher. The title bar helps you then to identify the server and/or user of the respective application. You can use special tokens for the text of the title bar, which are replaced by the user name,

the server name (long or short), the server IP address and/or the session name. You can also define font, font size and color for the text.



The rightmost entry in the applications menu bar is always the help menu. Which other menus are available depends on the application. For example, when the PJM is open, you are shown the PJM menus (Edit, Ticket, etc.).

Menu 'Help'

The first entry in the 'Help' menu always leads to the topic related to the active application (F1-Help). The next entry refers to the context help. If you click this entry, the mouse pointer turns into a question mark. If you click with this pointer on a cetain part in the application, the help system opens the related topic.
If you want to print help pages, a local printer must be installed.

Tool Bar

The tool bar icons each launch a particular function. Not all the functions are available for every context – the ones that are unavailable at a particular time are shown in gray. Most toolbar functions can also be accessed via the menus.

Status Bar

The active application displays status information in the status bar. Additionally the disk usage of the '/u' file system is always shown.
If you touch this indicator with the mouse, a tooltip displays the usage of the '/u' file system of all slaves in the cluster.

Appearance of the Application Windows

There are several ways of modifying the application windows to fit your requirements. Settings such as the choice of open applications or column widths are saved and restored the next time you launch the 'Explorer':

Presentation in one window

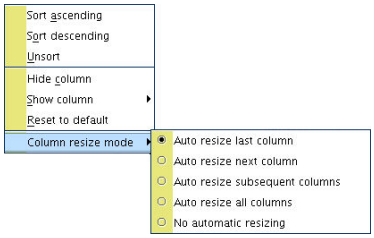
By clicking one of the two arrows in the column separating the application windows, which provide a separarte tree view (for example ’Configuration’ or 'Server Files'), you can display either the tree view or the application area.

Modify the window size

Drag the separator column between the windows to adjust the width of the workspace and 'Explorer' tree panels to your requirements.

Sort table lines, customize and adjust tables inside applications

You can make settings that affect how lists are displayed. Some settings can by changed simply using the mouse; for others you choose the function from a context menu opened when you click the name of the column:



Menu Item	Function
Sort ascending Sort descending Unsort	Select your preferred sort order here or left-click the column title. An arrow is then shown (the sort symbol). Click the arrow to change the sort order. If the arrow disappears, no sorting is performed.
Hide column Show column Reset to default	You can suppress columns in the tables in order to limit the information displayed to match your needs. ’Hide Column’ suppresses the display of a column; ’Show Column’ makes the hidden columns visible again; ’Reset to default’ displays all hidden columns again.

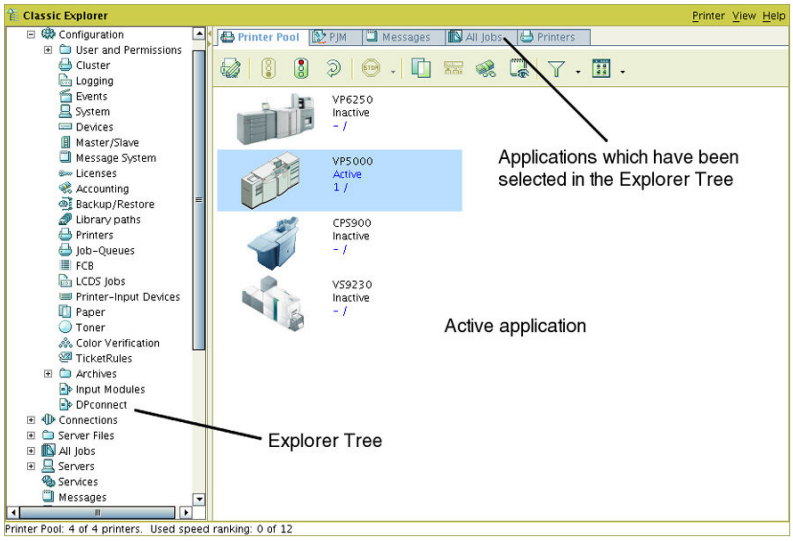
Menu Item	Function
Column resize mode	Select one of the options, which are offered here or adjust the column width using the mouse. Use the function 'Reset to default' of the context menu to reset the default width of the columns.

'Classic Explorer'

Definition

The move from the explorer tree towards a workspace management concept should not be underestimated. It will take time for the user to get used to the new workspace concept. For this reason the "old" explorer tree is still supported and is called the 'Classic Explorer'. To use the classic explorer, it must be loaded just like a normal session. The PRISMAproduction Server installation installs the session file 'classic.psn' for the classic explorer by default.

Illustration



[31] Workspace 'Classic Explorer'. The left section of the window shows the Explorer tree: the structure of the system. The right section shows the active application. The applications that have been launched are each presented by a tab. The tab belonging to the active application is shown in a different color. You activate an application by clicking its tab.

Explorer Tree

Nodes

Clicking a node opens (+) it or closes (-) it again. When a node opens, you are shown the substructure it contains; the substructure is closed again when you close the node.

Launching an application from the Explorer tree

Right-click the name of an application in the Explorer tree to show a shortcut menu with functions for opening the application, for example open in a separate window.
Choose the function you want to use. The application is then opened and made active, which means that its interface is shown on the Explorer application workspace. Double-clicking the name of the application in the Explorer tree has the same effect as choosing the function from the shortcut menu.

Shortcut menus in the Explorer tree

Right-click an application in the Explorer tree to open a context-sensitive shortcut menu (which functions are shown will depend on the current working context). The menu also contains functions for opening and activating applications. All these functions can also be accessed via the application menus.

Application Area

The right section of the Explorer window shows the open applications. There is a separate tab for each one. The tab gives the name of the application and a number if there are multiple sessions of the same application running simultaneously. The active application is shown with its own interface, and its tab is highlighted in a different color.

Opened applications

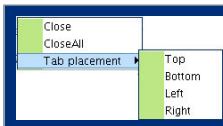
Click the tab to make an open application the active one. The interface belonging to this application is then shown.
Another way of doing this is to choose 'Show existing' from the shortcut menu that is displayed when you right-click the name of the application, which should be the active one, in the Explorer tree.

Active application

The interface of the active application is displayed on the screen. The application functions can be accessed via the menus. There are also icons available for most functions, enabling rapid access to the functions in question.
The menus of the active application are shown in the menu bar..

Close the active application or position the tabs

Right-click the tab to display a pop up menu:

	
Menu Item	**Function**
'Close'	Close the selected application.
'CloseAll'	Close all applications in the left window pane.
'Tab placement' -> 'Top', 'Bottom', 'Left', 'Right'	Places the tab oft the selected application on the selected position. All other tabs will be positioned accordingly.

PRISMAproduction Server 'Explorer' on a Windows PC

Introduction

You can access the PRISMAproduction Server 'Explorer' from outside a server cluster via the **'Explorer' Launcher**. The Laucher invokes the 'Explorer' as a "local application".

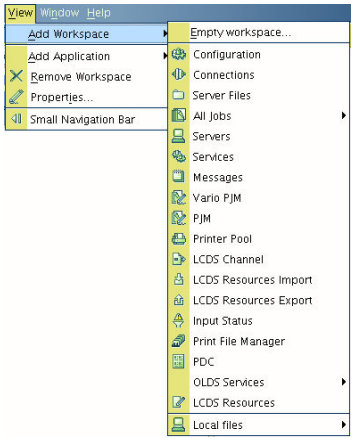
Advantage of the Laucher approach

The local file system is accessible, applications can be started by the 'Explorer' (example: when clicking on a PDF file, Acrobat is invoked automatically).

For more detailed information see the PRISMAproduction Server Administration Settings and Tasks Guide, chapter: "Remote Access to the PRISMAproduction Server Explorer".

Overview of the 'Explorer' Applications (POD)

Illustration



The modules of the PRISMAproduction Server 'Explorer'

The availability of the modules depends partly on the licenses, which are installed on the system.

Module	Function
'Configuration'	Contains several submodules to configure, for example printers, system settings and so on.
'Connections'	Provides an overview of all Java servers currently connected to the PRISMAproduction Server system. See *'Connection Viewer'* on page 44.
'Server Files'	Provides access to resource libraries, and archives on all servers of the PRISMAproduction Server network. See *'Server Files'* on page 46.
'All Jobs'	Displays job lists with detailed information on the status of the print jobs. See *'All Jobs'* on page 52.
'Servers'	Displays information on the computers connected to the PRISMAproduction Server system. See *'Servers'* on page 73.

Module	Function
'Services'	This tab shows all services which are licensed on the system. It also informs on the status of the service. See *'Services'* on page 76.
'Messages'	Displays messages and logging information. Details can be viewed for each entry. See *'Messages: Overview'* on page 77.
'VarioPJM'	Easy to handle print job manager for cutsheet printing. See *'VarioPJM: Overview'* on page 95.
'Print Job Manager'	Mighty tool for the creation and execution of print jobs. See *'PJM Main Window'* on page 112.
'Printer Pool'	Provides access to all printers configured in the system for administration and job control tasks. *'Printer Pool: Overview'* on page 193.
'Print File Manager'(for 'admin' and 'service' users only)	Controls import and export operations for POD archive. Allows you also to search and delete archives. See chapter "Print File Manager" in the PRISMAproduction Server Administration and Settings Guide.
'Professional Document Composer' (PDC)	Tool for the impositioning of POD files, which is also accessible via the PJM and command line.
'Local files'	Provides access to the local file system. See *'Local files'* on page 212.

'Explorer' Applications

'Connections'

'Connection Viewer'

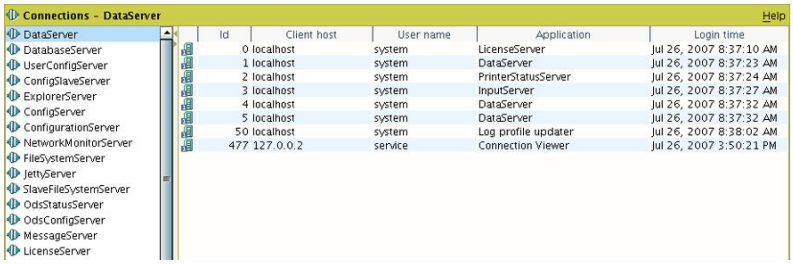
Introduction

The **Connections** application displays all java servers of the system.

Definition

A java server provides a particular service, which can be requested by clients. When a client submits a request for a service, an application is launched on the client system in order to deliver the service in question. The connection between this application and the server is shown in the Connections window.

Illustration



Operation

With the default settings, the user groups system, admin and service are authorized to view connections. The operator does not have this right.
When you double-click a particular server, you are shown the connections viewer with a list of the connections that exist with the server in question. This data is intended for administrators, the purpose being to provide an overview of the connections that are currently in operation in the PRISMAproduction network.
Services, which are started incorrectly are marked with a special icon. A tooltip provides further details.

Column	Function
'Id'	Serial number of the connection.
'Client host'	Client system on which the application runs, which has connected itself to the server. The entry consists of the symbolic name or the IP address.
'User name'	Linux login name of the application or the user, who started the application.
'Application'	Applications which are currently connected to the server.
'Login time'	Date of the login to the server.

'Server Files'

'Server Files'

Introduction

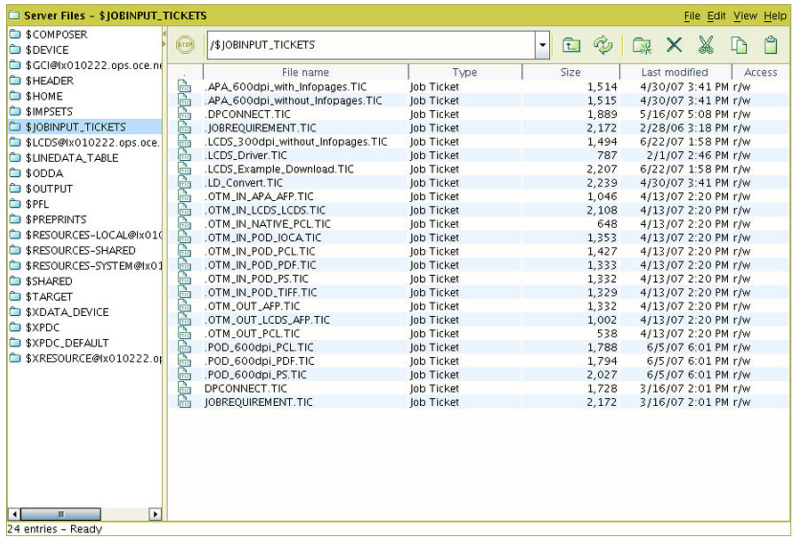
This node allows you to access files and devices of **all** computers of the PRISMAproduction Server network.
Here you can execute all common directory operations or compare files and directories (see also *'Local files'* on page 212).
The 'Server Files' node leads you directly to the contents of libraries, devices, POD archives and LCDS resource libraries.

The files can be resources, job tickets, print files or device files. Provided you have enough rights, you can modify the physical path of some virtual directories (only possible for $HEADER, $TARGET and $OUTPUT) and also move the files using the 'Library paths' application in the 'Configuration' workspace (see chapter "Library path configuration" in the PRISMAproduction Server Administrator's Guide). The PFL and preprint archives for the POD-Module can be created and configured in the 'Archives' application, which you also find in the 'Configuration' workspace (see chapter "Archives: Overview" in the PRISMAproduction Server Installation and Configuration Guide).

For a general description of the tool bar and menu functions within the file browser see *'Local files'* on page 212.

The files can be combined in the categories **Libraries**, **Devices** and **Archives**.

Illustration


Server Files - $JOBINPUT_TICKETS
File Edit View Help
$COMPOSER
$DEVICE
$GCI@lx010222.ops.oce.n
$HEADER
$HOME
$IMPSETS
$JOBINPUT_TICKETS
$LCDS@lx010222.ops.oce.
$LINEDATA_TABLE
$ODDA
$OUTPUT
$PFL
$PREPRINTS
$RESOURCES-LOCAL@lx01
$RESOURCES-SHARED
$RESOURCES-SYSTEM@lx0
$SHARED
$TARGET
$XDATA_DEVICE
$XPDC
$XPDC_DEFAULT
$XRESOURCE@lx010222.o
/$JOBINPUT_TICKETS
File name
Type
Size
Last modified
Access
.APA_600dpi_with_Infopages.TIC Job Ticket 1,514 4/30/07 3:41 PM r/w
.APA_600dpi_without_Infopages.TIC Job Ticket 1,515 4/30/07 3:41 PM r/w
.DPCONNECT.TIC Job Ticket 1,889 5/16/07 5:08 PM r/w
.JOBREQUIREMENT.TIC Job Ticket 2,172 2/28/06 3:18 PM r/w
.LCDS_300dpi_without_Infopages.TIC Job Ticket 1,494 6/22/07 1:58 PM r/w
.LCDS_Driver.TIC Job Ticket 787 2/1/07 2:46 PM r/w
.LCDS_Example_Download.TIC Job Ticket 2,207 6/22/07 1:58 PM r/w
.LD_Convert.TIC Job Ticket 2,239 4/30/07 3:41 PM r/w
.OTM_IN_APA_AFP.TIC Job Ticket 1,046 4/13/07 2:20 PM r/w
.OTM_IN_LCDS_LCDS.TIC Job Ticket 2,108 4/13/07 2:20 PM r/w
.OTM_IN_NATIVE_PCL.TIC Job Ticket 648 4/13/07 2:20 PM r/w
.OTM_IN_POD_IOCA.TIC Job Ticket 1,353 4/13/07 2:20 PM r/w
.OTM_IN_POD_PCL.TIC Job Ticket 1,427 4/13/07 2:20 PM r/w
.OTM_IN_POD_PDF.TIC Job Ticket 1,333 4/13/07 2:20 PM r/w
.OTM_IN_POD_PS.TIC Job Ticket 1,332 4/13/07 2:20 PM r/w
.OTM_IN_POD_TIFF.TIC Job Ticket 1,329 4/13/07 2:20 PM r/w
.OTM_OUT_AFP.TIC Job Ticket 1,332 4/13/07 2:20 PM r/w
.OTM_OUT_LCDS_AFP.TIC Job Ticket 1,002 4/13/07 2:20 PM r/w
.OTM_OUT_PCL.TIC Job Ticket 538 4/13/07 2:20 PM r/w
.POD_600dpi_PCL.TIC Job Ticket 1,788 6/5/07 6:01 PM r/w
.POD_600dpi_PDF.TIC Job Ticket 1,794 6/5/07 6:01 PM r/w
.POD_600dpi_PS.TIC Job Ticket 2,027 6/5/07 6:01 PM r/w
DPCONNECT.TIC Job Ticket 1,728 3/16/07 2:01 PM r/w
JOBREQUIREMENT.TIC Job Ticket 2,172 3/16/07 2:01 PM r/w
24 entries - Ready

Libraries

Can be configured in: 'Configuration' -> 'Library paths'. When selecting files in the PJM 'List of Files' section you can select files from these libraries. Depending on the language module you can select files from different libraries.

Libraries for the POD-Module	Description
$TARGET ('/u/prismapro/data/pjm/target')	Original files in their native format.
$OUTPUT ('/u/prismapro/data/pjm/output')	Saves files in the TIFF, PS and PDF format which have been reconverted from IOCA.
Libraries for the APA-Module	**Description**
$TARGET ('/u/prismapro/data/pjm/target')	Original files in their native format.
$RESOURCES@<hostname> ('/u/prismapro/resources/')	All print resources on the master.

Libraries for the POD-Module	Description
$RESOURCES-LOCAL@<hostname>:	The base directory '/u/prismapro/resources/local' is used for a central resource management. All resources are kept on one central system. The usage of this function is working automatically: If the resources for a job are selected from the resources/local path, then the name of the selected system is added to the job ticket (PJM Window). At printing time the resources are read from this system via network on the fly. Nothing else (for example NFS mount) is required!

Libraries for the POD-Module	Description
$RESOURCES-SHARED	The base directory '/u/prismapro/resources/shared' is used for a distributed resource management. All resources MUST be distributed to every system (Print Server). If you work on a PRISMAproduction Server cluster with master and slave(s), the resources in this directory will be distributed on all servers of the cluster automatically. if they have been copied via the PRISMAproduction Server 'Explorer' (Java file system) into the resources/shared path. If a system is not up and running at that point, the resources are NOT copied to this system! If the resources are copied via other tools, they are NOT copied to the other systems, which will cause problems at printing time! Therefore click a directory or a single resource with the right mouse button and select 'Synchronize' from the context menu as soon as the other servers are up again. The usage of this function is working automatically: If the resources for a job are selected from the resources/shared path, then the name of the selected system is NOT added to the job ticket. At printing time the resources are read from the local system, which is connected to the printer (less network traffic at printing time).
$RESOURCES-SYSTEM@<hostname> ('/u/prismapro/resources/system')	System print resources.
Library for the LCDS-Module	**Description**
$XRESOURCE@<hostname> ('/u/prismapro/data/resimport/lcds')	Data from the LCDS resource import directory.

Further Libraries (Examples)

$SHARED contains the preconfigured or user defined sessions. See *'Create and Save User Defined Workspaces and Sessions'* on page 30.

$HEADER contains user defined header pages for the PJM.

$COMPOSER; $MERGE; $OVERLAYS; $MARKS; $VARIABLE contain the resources for the Professional Document Composer.

$IMPSET contains complete impositioning schemes for the Professional Document Composer.

$HOME points to the home directory of the user, who is currently logged on. This directory is created on the PRISMAproduction Server master, when a user with auto-login is configured. Write permissions for this directory can be configured in 'Configuration' -> 'User Permissions' -> 'General Explorer settings'.

$DEMO ('/u/prismapro/demo'): In this path you find demo job for all language modules.

Devices (APA / LCDS / OLDS)

The input devices for the APA-, LCDS- and OLDS-Module are collected under this node. Devices are configured under: 'Configuration' -> 'Devices'.
When selecting files in the PJM 'List of Files' section you can select devices from this path (APA and LCDS-Module).

Select files from the different input devices (CARTRIDGE, TAPE) which are collected in the $DEVICE directory.

For LCDS resources select input devices presented under $DEVICE (XFLOPPY_35, XRES_CARTRIDGE, XRES_TAPE). For LCDS print data you can select cartridge, channel (additionally channel1 to channel4, if the corresponding service user script 'number_of_channels' has been started) or tape under the $XDATA_DEVICE library. You can also select JSLs and resources directly from the jsl and $XRESOURCE library.

Special Functions for Devices

If you click with the right mouse buttton on a device or a file within a device, the context menu offers some extra functions:

Function	Description
'Rebuild catalog'	This function is available via the right mouse button in the 'Device' application.

Function	Description
'Rewind' 'Goto next entry' 'Skip forward' 'Unload device'	This functions are available via the right mouse button in the 'Device' application, if the device type is tape.

Archives (POD)

Lists the archives for printing and organizing POD data files:

- $PFL (Print File Library) contains archives with jobs ready to print.
- $PREPRINTS contains archives with jobs which still have to be modified.

Not all actions are allowed in the archive viewer, because this will disturb the internal administration of the Print File Library (PFL). It is allowed to change and update directories and to delete files.

The following actions lead to error messages: Creating and deleting of directories, selecting, copying and pasting of files. Operations dealing with files should be performed via the Print Job Manager (PJM) or the Print File Manager (PFM). The PFM allows renaming and deleting of files.

You create and modify archives under: 'Configuration' -> 'Archives'. See chapter "Archives: PFL Archives".

'All Jobs'

'All Jobs'

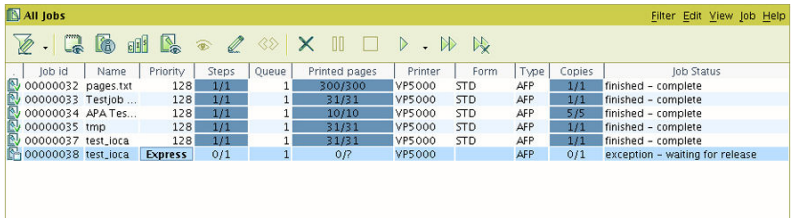
Introduction

PRISMAproduction Server keeps a list of all the jobs in the system, together with their attributes. This list is presented in an easy-to-understand manner. The job list can easily be quite extensive, so users can apply filters to display only jobs that match particular criteria. The standard filtered lists are the list of **active jobs**, **finished jobs**, **print queue jobs** and **exception jobs** (with errors). List columns for which a filter has been defined are shown in color. The job list is changed continually while processing is underway. In 'System Configuration' you can define, how long finished jobs are kept in the list. All other jobs remain in the list until they are explicitly deleted.

Definition

You can execute specific functions from the list. For example you can interrupt or continue a job. The availability of functions depends on the status of the job. Functions, which are currently not available, are displayed as gray icons. Some modifications of jobs can only be executed with special rights (see chapter "User Management" -> "User Permissions" in the PRISMAproduction Server Administration Settings and Tasks Guide).

Illustration


All Jobs
Filter Edit View Job Help
Job id Name Priority Steps Queue Printed pages Printer Form Type Copies Job Status
00000032 pages.txt 128 1/1 1 300/300 VP5000 STD AFP 1/1 finished - complete
00000033 Testjob ... 128 1/1 1 31/31 VP5000 STD AFP 1/1 finished - complete
00000034 APA Tes... 128 1/1 1 10/10 VP5000 STD AFP 5/5 finished - complete
00000035 tmp 128 1/1 1 31/31 VP5000 STD AFP 1/1 finished - complete
00000037 test_ioca 128 1/1 1 31/31 VP5000 STD AFP 1/1 finished - complete
00000038 test_ioca Express 0/1 1 0/? VP5000 AFP 0/1 exception - waiting for release

Standard Filtered Job Lists

You can present the following job lists in the 'Explorer':

- 'All Jobs': this list contains all the jobs on the system. If the scope of the list has been restricted, the suffix “filtered” is shown to indicate this.
- 'Active Jobs': the standard filter for all processing and waiting states and for the states 'exception - service error' and 'exception - print error'.

- 'Exception Jobs': standard filter for all exception states. Exception Jobs require an interaction of the operator.
- 'Print Queue': all jobs whose state has something to do with printing. These states are: 'exception - hold' / 'exception - print error' / 'exception - printing interrupted' / 'processing - being interrupted' / 'processing - printing' / 'processing - in output control' / 'waiting - ready to print' / 'finished - reprintable'.
- 'Finished Jobs': standard filter for the finished states.
- Job lists for which you have defined a custom filter:
  You can restrict the scope of each job list by defining filters.

It is advisable to adjust the display of the list according to your own needs. You can for instance hide columns, adjust the column width etc. To do this, you can use the general 'Explorer' functions as described in *'Common Functions of the Explorer Applications'* on page 34.

Authorizations for Jobs

Authorization	Description
'jobs.view.all'	Users with "jobs.view.all" authorization are shown all the jobs; users without this authorization are shown only their own jobs. With the default settings, the users applic, admin, service and operator have this authorization.
'jobs.modify all'	Only users with this authorization can modify the properties of jobs they do not own. Jobs are modified with the Edit Job Properties button: With the default settings, the users applic, admin, service and operator have this authorization.
'jobs.control.all'	Only users with this authorization can submit commands to change the state of jobs they do not own. These statements are Interrupt, Halt, Continue. With the default settings, the users applic, admin, service and operator have this authorization.

Icons for Short Information

Icon	Description
	Job is printing
	Job is finished
	Job is finished-reprintable (former 'locked' status)

Icon	Description
	There is a message for this job
	Job is in exception status
	The job has a time limit, which has been exceeded. See note below for more information.

Note:
If you use the PJM in command line mode, you can assign a time limit to the job. In the 'Status' column a tooltip informs you about the time limit of the job. If the printing doesn't start before the limit is reached or if the job is interrupted and the time limit exceeds, the job gets the icon with the red alarm clock and a message. If you double click the job, the message is displayed with a text, which you also define on the PJM command line. The alarm clock and message will also appear, if the job is in the status 'processing - in output control'. To define the time limit and the time limit message you have to define two new parameters in the [job] section of the .OCT - file:
...
'[job]'
'Alarm_Delay=10'
'Alarm_Text=This is a important job! Please print immediately!'
...
'Alarm_Delay' represents the minutes between the "Accepted" time of the print job and the time limit.
'Alarm_text' is the message shown in the message popup window, if the time limit is reached.

Column Titles

Column	Description
'Job id'	Job identification number. This is assigned by the ODS.
'Owner'	The login name under which this job was started.
'Name'	The job name assigned by the owner.

Column	Description
'Priority'	Indicates whether or not the job has been prioritized (for example given express rights). The **express** right influences the process order of the job. Once set, the express right causes that the job is moved to the beginning of the queue. If the requested services are available, the job is processed before all other jobs. If you set express rights for other jobs these will be moved to top of the processing. If the job list is sorted by the 'Priority' column in descending order, all jobs are on top, which will be processed next. Print jobs in PRISMAproduction Server have a 'Priority' and a time stamp. The priority is shown in the print queue column 'Priority'. Print jobs are put in the print queue with priority '128'. Job with Express rights have priority 0 and a serial number. The priority is also shown via a tool tip. The priority can be changed with the Job properties window. You can modify the priority of the job via the job properties. 0 represents the highest priority and 255 the lowest.
'Steps'	States the current processing step (step x of y). A bar indicates the progress.
'Queue'	Queue of this job
'Queue name'	Name of the queue of this job.
'Printed pages'	States the number of pages printed (n-th page of total). A bar indicates the progress. As long as the number of pages is unknown '?' is displayed. *Note:* Pages means in this case the logical pages of the data stream (and not the physical sheets)!
'Page position'	Indicates the print page position in the job and the page count per job.
'Print range'	The range of pages to be printed. *Note:* Pages means in this case the logical pages of the data stream (and not the physical sheets)!

Column	Description
'Printer'	The printer on which the job is being (or will be) printed. Until the state 'ready to print' the printer name can also be a cluster name.
'Form'	The form used for the job, STD or user form defined in 'Configuration' -> 'Paper' -> 'Form', selectable in the PJM 'Job attributes' -> 'Print or SCT table name.
'Type'	The type of data stream in which the file exists (for example AFP, PCL, PDF or PS). If the job has been generated in the RAW format (pass through), the correct format is displayed here only if the job was generated with a suitable printer.
'Color'	If the job is to be printed with colors, this column states the color names.
'Resolution'	240 dpi, 300 dpi, 600 dpi or MRM (Multi Resolution Mode).
'Copies'	The number of copies of the job. Once printing of the job is underway, the entry in this column states how many copies of the total (x copies of y) have already been printed. A bar indicates the progress. **Warning**: If you define 'Copies' = 'per Job' (not 'Copies' = 'per Job + Files') in the PJM and additionally print header pages and ticket pages, the number of job copies is only indicated in the job details window. The Job List will always display Copies=1 in this case. Be careful when modifying the number of copies via the job properties button.
'Status'	The status of the current processing step. The states are explained below.
'Accepted'	Date and time of the job acceptance.
'Started'	Date and time of jobstart.
'Modified'	Date and time of job modification.
'Printing started'	Date and time of start of printing.
'Printing finished'	Date and time of end of printing.
'Printing time'	Duration of printing.
'Pages/Copy'	Number of pages per copy.
'Size/Copy'	Size of one copy.
'Size'	Size of the entire print job.

Note:
Due to the amount of information provided, the list can be very complex. If you click a column title, you can hide or show columns. Thus you can adjust the list to your needs.

Sorting Table Lines

You can sort the entries in most lists in either ascending or descending order. To change the sort order, left-click the column title. An arrow is then shown (the sort symbol). Click the arrow to change the sort order.
You cancel the sorting via the shortcut menu or by clicking the arrow until it disappears. When sorting columns with a bar, which indicates the progress of an action, the comparison is done in the following order:

- Proportion of bytes processed and the entire job size (progress)
- Entire size of the job
- Bytes processed

If the result is, that the values are equal, the next step is performed for the comparison.

Customize Columns

You can change column widths using the mouse. The Reset to default function restores the columns to their default widths.
'Hide Column' suppresses the display of a column; 'Show Column' makes the hidden columns visible again.

Add Columns for Special Use Cases

With PRISMAproduction Server files are delivered which supplement the description file for the job list (jobsviewer.ptd) to display extra columns. The following files are released in the path '/u/prismapro/cfg/odscontrol/ptds/examples':

- **dataformat.ptd**: Displays the 'Dataformat' column (for the GraphicArts workflow).
- **filename.ptd**: Displays the first file name of the print job.
- **download.ptd**: Displays the Host Download parameters.

To add the additinal columns, you have to copy the desired ptd-file(s)one path higher ('/u/prismapro/cfg/odscontrol/ptds'). The new columns are initially hidden.

Job States

Status	Description
processing...	

Status	Description
'processing - prepare'	Data are converted before being sent to the printer.
'processing - service active'	A service is being executed, for example conversion.
'processing - transfering data'	Data are transferred
'processing - printing'	Data are transferred to the printer while the printer is printing.
'processing - being interrupted'	An interruption has been requested and the print of the current copy is being completed.
'processing - in output control'	All the data has been sent to the printer. The pages are being stacked. Single Fanfold: everything has been printed, but not yet stacked. Twin only: recto pages have been printed, verso have not yet been printed
waiting...	
'waiting - for event'	The job is awaiting the occurrence of an event (see *'Events Configuration'* on page 218 and *'Job Attributes: Start Print Events'* on page 149).
'waiting - for service'	The job is waiting for the requested service to be available.
'waiting - for time to run'	The job is waiting until a time/date event occurs (see *'Job Attributes: Start Job Events'* on page 147).
'waiting - ready to print'	The job is waiting for a free printer or was started with the system parameter 'Hold job until operator confirmation'.
finished...	
'finished - complete'	The job has been printed in its entirety. All the sheets have been stacked. A completed job remains in the job list for the time specified in the system parameters ('Hold Finished Jobs [h]').
'finished - reprintable'	The status when a job is assigned to a job class for which the entry!!'Lock Jobs after printing' is defined in the system parameters.
exception...	
'exception - hold'	The job was canceled with ('Interrupt' job 'Immediately') at 'ready to print' status.

Status	Description
'exception - print error'	The printer has reported an error.
'exception - printing interrupted'	Status following the interrupt command (❑)
'exception - service error'	Error caused by a service, for example error during conversion.
'exception - service interrupted'	Status following the halt command (⏸) or interrupt command (❑) when the job has not yet been printed or was at 'ready to print' status.
'exception - waiting for release'	The job was submitted in the PJM with the option 'Hold job until operator confirmation'.
'exception - mirrored'	Status of a mirrored job on the mirror server.

'All Jobs': Menu and Tool Bar Functions

Menu Functions

Many of the menu items can also be accessed via the tool bar.

'Edit' menu

Menu Item	Function
'Select all'	Selects all the jobs.
'Deselect all'	Deselects all the jobs.

'View' menu

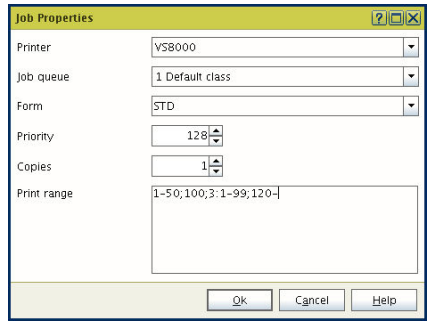
Menu Entry/Tool Bar Icon	Function
'Update'	The view of the job list is updated permanently.
'Freeze'	The current status of the job list is frozen to make modifications more comfortable.
'Weak command locking'	This setting has an influence on the availability of functions of the menu- and toolbar, if more than one job is marked. If it is switched off, a command in the menu- or toolbar must be possible for all marked job to be active. If 'Weak command locking' is switched on, a command must be executable for only one of the marked jobs to be active. You can also enable a weak command locking if you press the shift key.
'Show Summary'	Displays a summary of the print process ('Printed pages') in the status bar of the job list window.
'Edit filter'	Opens the filter dialog box. If you click on the small arrow next to the icon, a list of the already configured filters is displayed. If there are already settings defined in the filtered job list, they will be displayed and can be modified. *Note:* For a detailed description of job filters see: *'All Jobs: Job Filter'* on page 65.
'Open Filter'	Opens the job list with the filter which you select from the drop down list.

Menu Entry/Tool Bar Icon	Function
'Save filter'	Opens a dialog allowing you to save the filter settings under a freeform name, which appears in the job list window. You can also add a 'Description' of the filter, which appears as tooltip for the filter name in the tree view. Check 'Save for public access' if you wish the filter to be made available to every user in the ODS network. If you leave the box unchecked, the filter will only be available in the local 'Explorer' tree. Click 'OK' to create a new entry under the node 'All Jobs' in the tree view of the 'Explorer'.
'Delete Filter'	Deletes a filter which you can select from a pop up menu.
'Create default job filters'	Resets all modifications you have made on the default filters.

'Job' Menu

This menu contains functions which apply to the selected job. You can also display the Job menu functions by right-clicking an entry in the list:

Menu Entry/Tool Bar Icon	Description
'Show job message'	This icon changes color when a message is pending for the selected job. This might happen when an error is encountered in the job, for instance. Clicking the icon opens an additional window showing the text of the message.
'Open Messages'	Opens the PRISMAproduction Server 'Messages' window. The display is filtered, so that only entries are visible, which are related to the marked job.
'Write message'	Opens a window, which allows you to write a message for this job. The message is sent to the messages module and can be read there (for example from the job list via 'Open &Messages...').
'Show details of the selected job'	This icon opens a tab with details about the selected job (see *'All Jobs: Job details viewer'* on page 71).

Menu Entry/Tool Bar Icon	Description
'Show the job analysis created by CIS'	Show the results of the job analysis performed by CIS. You can select a summary view or a resources view. To get this result, the APA job has to be executed by the PJM using the CIS program (license dependent). See 'APA Settings' -> 'PreProcessing' (CIS) in the APA-Module manual.
'Open PJM with Job Ticket'	This icon opens the Print Job Manager with all the data belonging to the selected job. The job is opened in either modification or viewing mode, depending on its status.
'View Job'	The print file is displayed; if it's stored in an archive or as resource.
'Edit job properties'	Opens the 'Job Properties' dialog. You can change some parameters of a job while the job is in the queue awaiting printing (for example before the jobs state changes to 'waiting - ready to print'). You can change the printer, job queue, form, copy count, priority and page range. The form name can contain up to 64 characters. You can also add a file indicator (file number or file range) before the respective print range (for example 1:5-9; 3:6-10 or 1-3:10-;5-:1-). The indication of the print range may contain up to 250 characters, line breaks after each semicolon are allowed.  **Warning**: If you define 'Copies' = 'per Job' (not 'Copies' = 'per Job + Files') in the PJM and additionally print header pages and ticket pages, unwanted multiple printouts may occur, if you modify the number of copies. This is, because the number of copies refers to the whole job as indicated in the job details.
'Reposition'	You can reposition a job while it is in the process of being printed. See *'All Jobs: Job Positioning for Job {0}'* on page 69.

Menu Entry/Tool Bar Icon	Description
'Search in print file'	You can search for strings (EBCIDIC or ASCII) within an AFP file. The system returns the page numbers, on which the string was found. Search_afp does not work, if conditional processing/formatting is used with line data/mixed data. Additionally the pagedef and the resource library, which contains this pagedef, must be defined in the job ticket for each print file. The function does not work, if the pagedef and libraries are defined in the printer defaults only. If the Carriage Control Character (parameter Pdscc) is not defined in the job ticket, the default (ASA) is used. You can define the job ticket parameters with the PJM interface (select every print file and add the information via APA Settings subwindow) or by generating an appropriate default ticket for the automated input processes (LP, HotDir, Download), where the required information is added to the "[filedefaults]" section.
'Delete'	When you choose this function, you are prompted to confirm that you really want to delete the job. This prevents jobs from being inadvertently selected and deleted. If the job is in the 'processing - printing' state or in 'processing - in output control', it cannot be deleted. The button appears grayed out.
'Interrupt'	This function cancels the current processing step of the selected job. You are prompted to confirm the operation; the job is then immediately interrupted. If the job state is 'processing - printing' or 'processing - in output control', a dialog box is opened for you to specify exactly how you want to interrupt the job (see *'All Jobs: Interrupt Jobs'* on page 68).
'Halt'	The system completes the current processing step of the selected job and then halts the job.

Menu Entry/Tool Bar Icon	Description
'Continue'/ 'Restart'	'Continue execution' Continues printing of the selected Job at the point of interruption. You can use the function to resume processing of jobs which were interrupted or which encountered errors. Jobs in the state 'exception - waiting for release' (system parameter 'Operator intervention') can be reactivated in this way. 'Restart from beginning' (only possible for APA and POD jobs) The restarted job is executed again from the very beginning with all its original start parameters (if parameters have been modified in the meantime, these modifications will be discarded). Jobs in the state 'finished - reprintable' can be reprinted using this button. This permission can be suppressed for certain users. (A description can be found in the Technical Reference Manual, chapter "Command Line Tools").
'Express right'	The job with express rights is processed as soon as the required services are available. The position in the list is not altered.
'Remove Express right'	Removes the express right assigned to the job.
'Delete Checkpoint'	If a checkpoint exists (see tool tip in the status column), you can delete it by clicking on this menu entry.
'Transfer control to mirror'	If the job has been mirrored on a mirror server, this function allows you to manually transfer the job control to this mirror server. On this server the job state 'exception - mirrored' changes accordingly and the job can be printed on the mirror server. This function is protected by a permission in the user management.

Tooltip of a job

If you position the mouse pointer on a job, a tooltip pops up giving information on the job (for example starttime).

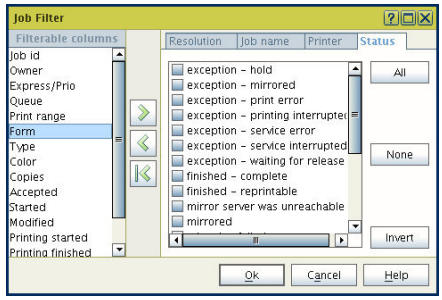
'All Jobs': 'Job Filter'

Introduction

You can apply filters to restrict the content of job lists to entries that match particular criteria.
You can define various types of filters and store them for use again at a later date.
Filters you have saved are presented in the pop up menu of the 'All Jobs' application. You can also select a saved or preconfigured filter if you click on the small arrow next to the filter icon ( ) in the tool bar.
The functions for creating and editing job filters are launched in a job list, either via the menu 'View' -> '&Edit Filter...' or via the Filter icon:

Note:
Only the creator of a filter or the users 'admin' and 'service' are allowed to delete or to overwrite a filter.

Illustration



Apply Job Filters

You can filter most of the columns of the job list. These columns are offered under 'Filterable columns'.
Columns which should be part of the filter have to be moved from the left part of the window to the right, using the arrow buttons. The right part of the filter window displays a tab for every column. On these tabs you define the filter conditions, which should be valid for column. All filter conditions for the different columns have to be valid at the same time to display the job using this filter.

The possibilities to assign conditions depend on the data type of the column.

Buttons	Function
'All'	Activates the visibility of all criteria of the filter category.
'None'	Cancels all selections.
'Invert'	Cancels all selected criteria and sets all deselected criteria.

Different Methods for Filters

Marking with a checkmark: Only jobs of the marked are displayed.

Setting a range: Only jobs of the indicated range are displayed.

Setting a pattern: Only jobs with the job name ending with the indicated pattern are displayed
You can also define more than one pattern in the text field. The different patterns have to be separated by semicolon. The conventions for patterns are displayed as a tooltip.

Setting a range of time: Only jobs which are started in the range of time indicated are displayed

The shortcut menu that you can open for column headings in the job lists also includes an '&Edit Filter...' function. When you choose the function via the shortcut menu, you are shown the relevant tab for the column heading in question.

Save User Defined Filters

To save your filter definitions an to make them selectable from the user interface, click on 'Sa&ve Filter As...' in the 'View' menu. A dialog opens allowing you to save the filter settings under a freeform name, which appears in the joblist window and also in the selection list, which opens if you click the small arrow next to the filter icon in the tool bar. You can also add a 'Description' of the filter, which appears as tool tip for the filter name. Check 'Save for public access' if you wish the filter to be made available to every user in the ODS network. If you leave the box unchecked, the filter will only be available in the local 'Explorer'.
Click 'Ok' to create a new entry under 'All Jobs' in the 'Add Workspace' list of the 'Explorer'.

Note:
By saving an empty filter, you can permanently save the column settings without restricting the actual content of the job list.

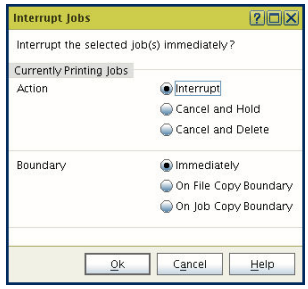
Note:
For a full description of the 'View' menu see: *'All Jobs'* on page 52

'All Jobs': 'Interrupt Jobs'

Introduction

This dialog appears, if a job is to be interrupted in the 'processing - printing' state. It then gets the state 'exception - hold'. You can define, which interrupt action has to be performed (Action...) and on which position the interruption is to be executed.

Illustration



Cancel-Type

'Action'	Function
'Interrupt'	After interruption, the job can be continued at the position of the interruption
'Cancel and Hold'	The job is interrupted and held for reprinting.
'Cancel and Delete'	The job is interrupted and deleted. It cannot be continued.

Boundary-Type

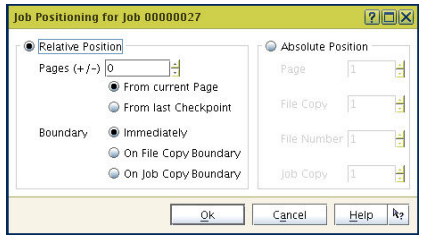
'Boundary'	Function
'Immediately'	The job will be interrupted immediately
'On File Copy Boundary'	The interruption is performed, if the current copy of the file is printed.
'On Job Copy Boundary'	The interruption is performed, if the current copy of the job is printed.

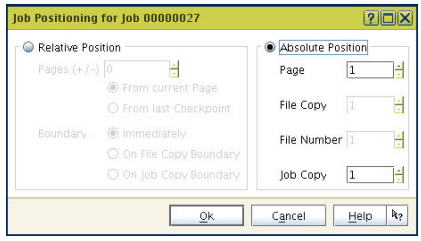
'All Jobs': 'Job Positioning for Job {0}'

Introduction

This dialog box is opened when you select the 'Reposition job' icon. The icon is available for selection when a job is printing ('processing - printing'). If the job is in another state, the function can be selected to define the absolute position before printing. In this case 'Absolute Position' is already preselected.

Illustration





'Relative Position'

For relative positioning, specify a number of pages before or after the current page or last checkpoint. Printing resumes at the specified position. Be sure to enter the correct page value.

Selection	Function
'Pages (+/-)'	According to the indicated page numbers in this text field the job is positioned forward or backwards. 'From current Page': The starting point of the relative positioning is the current page. 'From last Checkpoint': The starting point of the relative positioning is last checkpoint.

Selection	Function
'Boundary'	The boundary of the current document is only taken into consideration if it is indicated. If you allow positioning beyond document boundaries, in some cases printing may resume in a different document. 'Immediately': The job is repositioned immediately. 'On File Copy Boundary': The job is repositioned after printing the current file copy. 'On Job Copy Boundary': The job is repositioned after printing the current job copy (containing more than one file).

'Absolute Position'

Positions to a particular page when you restart a print job. For absolute positioning, specify a page number in the document and the document copy at which printing is to resume. Be sure to enter the correct page and copy values.

Selection	Function
Page	Indicate the page in the file.
File Copy	Indicate the number of the file copy.
File Number	Indicate the file number as displayed in the 'Job details' or 'List of files' in the PJM.
Job Copy	Indicate the number of the job copy.

'All Jobs': 'Job details viewer'

Introduction

You can display a detailed view of the processing status of any marked job by clicking on the above icon. You can also call up this function by double clicking a job or by selecting the respective entry from the pop up menu or the 'Job' menu.
This opens a tab with a list of all the processing steps of the selected job. The list is modified continually.
The tool bar and job menu functions are described under *'All Jobs'* on page 52.

Upper Table

Column	Description
'File/step'	The sequence number of the file within the job, and the number of the processing step.
'Name/service'	The fully qualified file name and the service that is assigned to the step.
'Server'	The name of the host on which the service was executed.
'Status'	The status of the processing step. See *'All Jobs'* on page 52.
'Progress'	Displays the progress of the processing step.

Lower Table

Is displayed after the job has reached the status 'waiting - ready to print' and refers to the file of the job.

Column	Description
#	Number of the file. This information is needed for absolute positioning or for setting a printing range in PJM.
'File name'	Full path and name of the file. In case of chained files the name of the first file is shown.
'Copies'	The number of copies of the file. Once printing of the job is underway, the entry in this column states how many copies of the total filecopies (x copies of y) have already been printed. This entry can be edited after the job has been submitted.

Column	Description
'Formdef'	Form definition valid for the file. This entry can be edited after the job has been submitted.
'Pagedef'	Page definition valid for the file. This entry can be edited after the job has been submitted.
'Size'	Size of the file in kbytes
'Pages'	States the number of pages printed (n-th page of total). If the number of pages cannot be identified '?' will be issued.

'Copies', 'Formdef' and 'Pagedef' can be modified. To do this the 'Print File Properties' dialog can be opened either by double clicking the table entry or by clicking the 'Edit' icon: .

'Servers'

'Servers'

Introduction

The 'Servers' application lists all the computers available in the PRISMAproduction Server network. When you select a computer, a toolbar is activated which allows you to enable or disable the computer. These functions are also accessible via the 'Server' menu. At the bottom of the application the status of the PRISMAproduction Server network is displayed.

Toolbar and 'Server' Menu (with marked server name)

This menu offers different functions depending on what type of host you have selected (for example: print server).

Menu entry / Icon	Function
Cancel current operation	This function cancels the current ODS operation.
'Disable server'	Switches an active host to inactive state. No further jobs are then accepted for this host.
'Enable server'	Switches an inactive host to active state. Jobs are then accepted for this host again.

List columns

Column Title	Description
'Host name'	**The configured host name.**
'Type'	The function of the host in the ODS network. The type displayed here depends on the type you have set when adding the computer via the Master/Slave configuration (see chapter "Master/Slave Configuration" in the PRISMAproduction Server Administration Settings and Tasks Guide): **Master**: the host with master rights; each system can have only one master. All other computers are automatically slaves. In the Master/Slave configuration the server has been added as 'Master' with a printXXX service. **Print server**: a pure print server, which only drives printers. It is inserted in the master/slave configuration as 'PrintSlave' without a printXXX service. **Print server+**: mainly a print server, but files can also be converted. In the 'Master/Slave Configuration' the server has been added as 'Slave' with a printXXX service. **Rip**: a computer on which a converter or the Professional Document Composer is installed. No printers are driven. In the Master/Slave configuration the server has been added as 'Slave' without a printXXX service **UnityRIP**: a Windows computer on which the UnityRIP is installed.
'Operating system'	States which operating system is installed
'Free memory'	The amount of free memory in the 'u' file system.
'Status'	The computer status: **ok**: the connection to the master is OK **offline**: the connection to the master is closed or an error has been reported. **job acception disabled**: No new jobs are accepted. Already started job keep on processing. Job acceptance can be reactivated via the 'Network' menu. **missing resources**: System falls below an ODS parameter value.
'ODS Network Status'	Displays if the ODS is able to accept and process jobs or not.

'Network' Menu

A menu called 'Network' is shown when the Hosts tab is open. This menu provides the following functions:

Menu Entry	Function
'&Synchronize time'	Synchronizes the system clocks on the hosts in the ODS network to the time on the ODS master
'&Cleanup directories...'	This function searches all the directories on all the hosts in the ODS network and deletes files that are no longer required. You are prompted to confirm the delete operation before it is executed.
'En&able job acception'	Enables the host for accepting ODS jobs.
'&Disable job acception'	Disables the host for accepting ODS jobs.
'Ena&ble Job processing'	Activates the global job processing of the ODS. This setting controls, if jobs which are in the ODS are processed. It does not influence the job acceptance of the ODS.
'D&isable job processing'	Deactivates the global job processing of the ODS. This setting controls, if jobs which are in the ODS are processed. It does not influence the job acceptance of the ODS.

'Services'

'Services'

Introduction

This application shows all the services for which licenses are available.

Services Table

Column Title	Description
Name	Name of the service. The extension indicates the number of this service.
Server	Name of the host on which this service is available.
Status	Status of the service (free or occupied by a specified job).

'Service' Menu

Menu Entry	Function
'Hide free services'	When this option is checked, only the active services are shown. When the option is left unchecked, the tab shows the free services as well.
'&Enable Services'	Activates the selected service(s).
'&Disable Services'	Deactivates the sekected service(s).

Note:
The service 'mirror' is a special case. It appears automatically in the list as soon as the respective settings are saved in the system configuration (see chapter "System Configuration" -> "Mirroring" in the PRISMAproduction Server Administration and Settings Guide). By default this service is deactivated ('no connection') and must be activated by hand. If the mirror server is available, the status of the service changes to 'online'.

'Messages'

'Messages': Overview

Introduction

The 'Messages' window displays all messages, which were sent by processes from the print server environment. Different message types (logs, warnings, errors, operator questions requiring an answer) are marked by different symbols in the type column. To provide further clarity, you can filter the messages according to various criteria. You can save filters under different names and switch between them easily. You can configure the PRISMAproduction Server message system using the 'Message System' configuration tool. See chapter 'Message System' "Overview" in the PRISMAproduction Server Administration Settings and Tasks Guide. Here you can configure for example when older messages are deleted, which operator requests should automatically be answered and which messages should be exported to an external file.

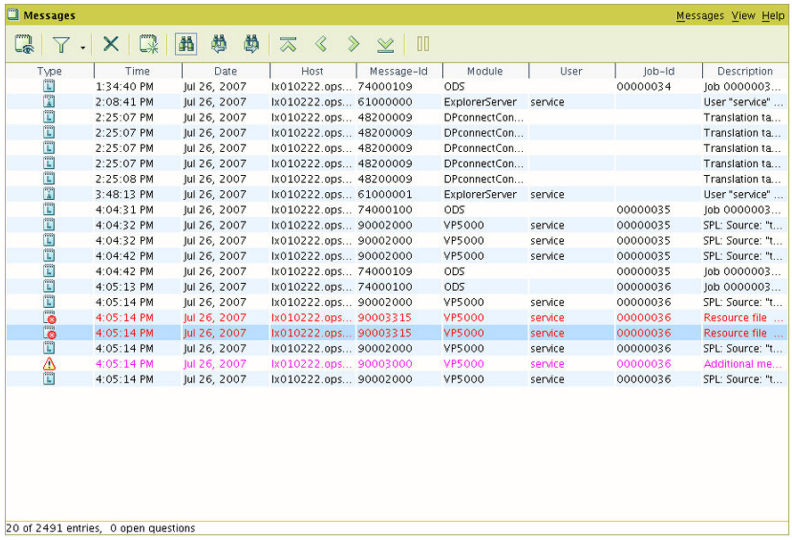
The following information is provided for each message:

- Type of the message
- Date of the message
- Time of the message
- Name of the host that generated the message
- ID of the job, the message belongs to
- Message ID (hidden by default)
- Name of the module having issued the message
- Short description
- Detailed description

Attention:

The **pop up messages** which you have to confirm to continue printing for example with a standard form are shown only, if in the messages window in the 'View' menu the entry 'Ignore questions' is deactivated.

Illustration


Messages
Messages View Help
Type Time Date Host Message-Id Module User Job-Id Description
20 of 2491 entries, 0 open questions

Messages Window

The Messages window consists of the **title bar**, **menu bar**, **tool bar**, **message information list** and a **status bar**.
The **title bar** contains the name of the window or the name of the saved filter the window was opened with.
The **menu bar** contains the menus Messages, View and Help.
The **tool bar** contains some of the most important menu bar entries for quicker access.
The **status bar** indicates how many messages are stored in the database, how many message are displayed in the window and how many questions are still not answered by the user.

The message information list contains one line for each message entry. By default, each entry's time stamp and a short description of the message are displayed. You can enable or disable the columns for displaying other information by clicking with the right mouse button on the header of the list columns.
Additionally you can access a pop up menu by clicking a message entry with the right mouse button. This menu allows you to view information on a selected message or to deselect or delete this message.

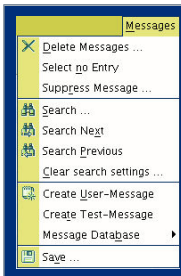
Message Types

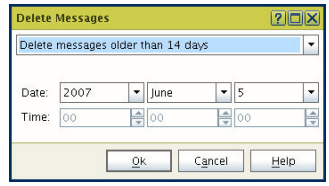
	Information entries
	Log entries

	Warning
	Error
	Open question
	Answered question
	User generated notification entry

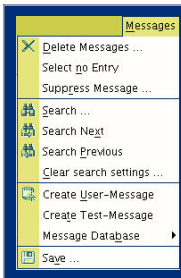
'Messages': Menus

'Messages' Menu

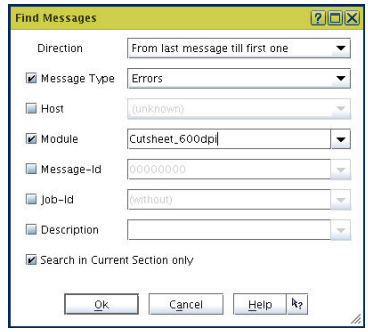


Menu Entry	Description
'Delete Messages ...'	Opens a dialog, which allows you to 'Delete messages older than {o} days' or to 'Delete messages before {o}', whereas the time given here either refers to the time when this dialog has been opened or to the time of the message which has been selected first. If you change the date below the selection list, the number of days from this date is updated in the list entry automatically. The fields for the time cannot be modified, they only indicate the time, which will be used for the delete command. The deleted messages cannot be restored. 
'Select no Entry'	Deselects all selected messages in the list.
'Suppress Message ...'	Opens a dialog,where you have to cofirm for which module the suppression should be active. The suppressed message will appear in the list of the message configuration tool (see chapter 'Message System': "Overview" in the PRISMAproduction Server Administrator's Guide). Here you can activate or deactivate the suppression.

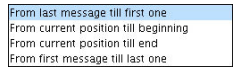
Menu Entry	Description
'Search ...'	



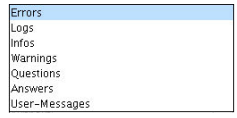
Menu Entry	Description
	Opens the 'Search' dialog:



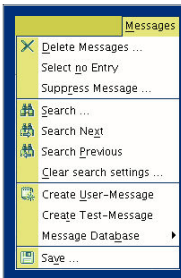
Here you can choose several parameters to get exact search results:
Depending on the check boxes you select, the search can be enlarged or reduced to the appropriate columns.
'Search in Current Section only'
If selected, the search is done only in current section. If its deselected, the search is done in the whole message database and the visible section is moved automatically regarding the search direction.
''Direction':
Choose the direction in which the search should be performed.


From last message till first one
From current position till beginning
From current position till end
From first message till last one

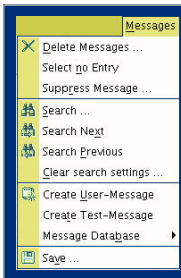
'Message Type':
Choose which message type should be searched for.

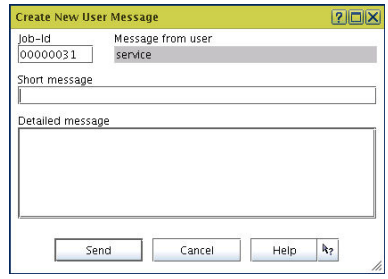


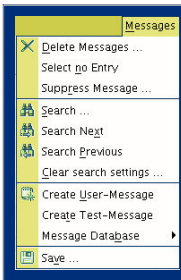
'Host':
Choose the host computer which generated the messages you are looking for.

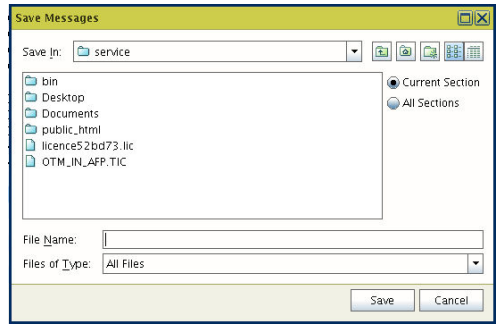


Menu Entry	Description
	The option list offers all hostnames, which already generated a message and all searching values, entered in previous search sessions since last opening of the message window. 'Module': Choose the module which issued the message. Search for modules which contain the numbers or characters you insert here. For instance XYZ will find all modules containing these characters. The option list offers all already known modules and all searching values, entered in previous search sessions since last opening of the message window. 'Job-Id', 'Message-Id' and 'Description': Search for messages which contain the numbers or characters you insert here. For instance 123 or XYZ will find all messages containing these numbers or characters.
'Search Next'	Continue searching forward in the message data base from the current selected position until the last message. If there is no line selected, further searching is not possible.
'Search Previous'	Continue searching backward in the message data base from the current selected position until the 1st message. If there is no line selected, further searching is not possible.
'Clear search settings ...'	Deletes the current selected search settings. A confirmation dialog must be replied, before the command is executed.

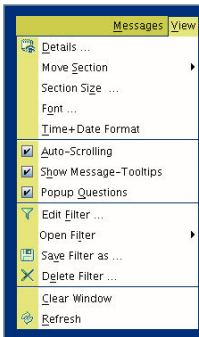


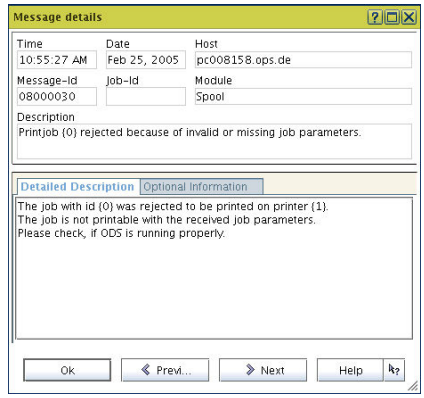
Menu Entry	Description
'Create User-Message'	Opens a dialog, where the current user enters a message for a specific job. The user can enter here a short and a detailed description for a specific job id. If the job id stays on the value 0, the message belongs to no job. The user name is not changeable and will appear in the message window in the module column. 
'Create Test-Message'	Opens a dialog, where the current user can enter a message id for creating a test message to see the text, which belongs to the message id. This function is enabled for service users only.
'Message Database' -> Open... (for 'service' only)	Opens the message database, which you have defined under 'Configuration' -> 'Message System' (see chapter 'Message System': 'Automatic Saving' in the PRISMAproduction Server Administrator's Guide). The default path is: '/u/prismapro/data/custom/msg'.

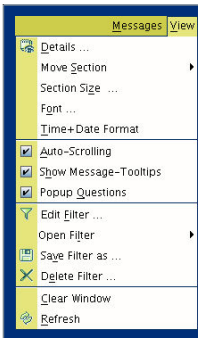


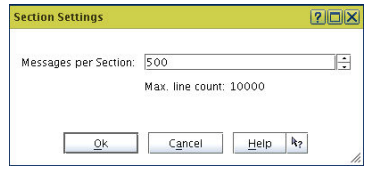
Menu Entry	Description
'Save ...'	Saves either all displayed message entries (only displayed columns and lines) from current section or the whole message database to an ASCII file. You specify the file name and the location in the 'Save' dialog box.  **Note**: Depending on the count of entries in the database, saving may take a while.

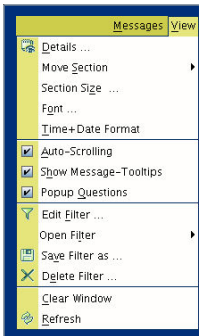
'View' Menu

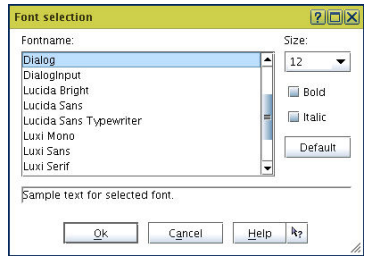


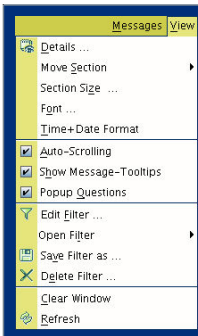
Menu Entry	Description
'Details ...'	To view the detailed description of an entry, double-click it, or choose 'View' -> 'Details ...' or click the first button in the tool bar. A window then displays the information available for the message.  The 'Next' and 'Previous' buttons displays the next or prior message details without closing and reopening the dialog. If the message was a question, the tab 'Answer' displays the replied answer itself, the name of the user, who answered the question and the time, at which the question was answered.
'Move Section' -> 'First Section'	Displays messages from the beginning of the database.
'Move Section' -> 'Prior Section'	Positions the viewed area backward. Usually, the last half of the displayed entries is removed and the same number of messages is inserted before the displayed list.



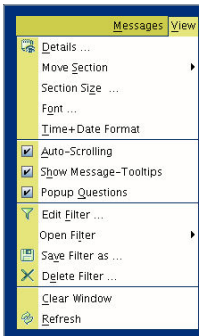
Menu Entry	Description
'Move Section' -> 'Next Section'	Positions the viewed area forward. Usually, the first half of the displayed entries is removed and the same number of messages is appended to the displayed list.
'Move Section' -> 'Last Section'	Positions to the end of the database (also occurs when the message window opens). **Note**: New messages are displayed automatically only if the view area is positioned to the end of the database.
'Section Size ...'	Opens a dialog, where the scrollable section size can be adjusted.  Because of performance issues and memory requirements, the number of visible message entries is limited to 10,000 (default: 5000 lines). Lines which do not fit into the window are cached and can be viewed by scrolling the window. You can either key in the limit value via the keyboard or click the arrow buttons in the dialog box. The default is 5000 cacheable lines. **Note**: Increasing the number of visible lines uses more system memory.

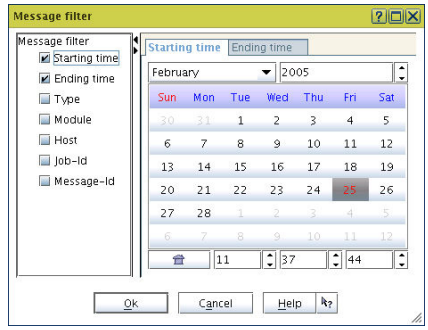


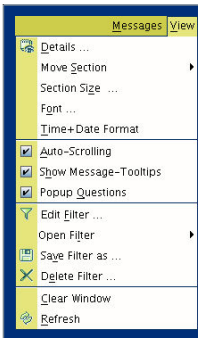
Menu Entry	Description
'Font ...'	Opens a dialog box which allows you to select a font, font size and decoration for the message window: 
'Time+Date Format'	Opens a dialog where you can select the time and date format for different countries.
'Auto-Scrolling'	Enables or disables automatic jumping to the bottom of the message list when a new message arrives.
'Show Message-Tooltips'	if you move the mouse pointer over the description column of a message, a tooltip displays the full description of this message. This function can be enabled or disabled.
'Popup Questions'	Enables or disables the automatic opening of question dialogs. **Note**: a question dialog opens only, if the message filter does not hide appropriate entries.

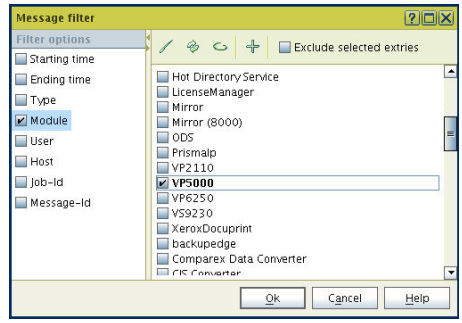


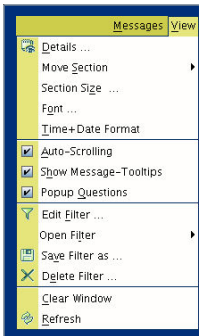
Menu Entry	Description
'Edit Filter ...'	



Menu Entry	Description
	Opens a dialog box for selecting a filter. If the filter is active, only messages matching the filter are displayed. The tree on the left side of the filter dialog displays all available and filtered columns. The right side displays the filter for currently selected tree entry. 'Starting time' and 'Ending time' You can specify an exact period of time for which the messages should be displayed. 'Starting time': starting time for displaying the first message. 'Ending time': ending time for displaying the last message. The button 'Now!' selects the current date and time and shows it in the appropriate input fields..  'Type' Select one or several message types. Selecting all or deselecting all entries will have the same effect: all message types will be displayed. 'Module' The list contains only the names of modules that have generated at least one message. If there is no module name selected, the module name filter is inactive.



Menu Entry	Description
	 You can additionally select the following items to configure a filter: 'Host', 'Job-Id' and 'Message-Id' The list selection area in this dialog has a small toolbar with this items: 'Select none' 'Invert selection' 'Select all' 'Add new entry' (available only for 'Module', 'Job-Id' and 'Message-Id') 'Exclude selected extries' = display all but items, selected in the filter (available only for 'Type', 'Module', 'User', 'Host' and 'Message-Id')
'Open Filter'	Select a filter you have previously created.



Menu Entry	Description
'Save Filter As ...'	Opens a dialog, where the name and description of the filter can be entered for saving the selected filter configuration. The filter is not stored into a file, it appears in the PRISMAproduction Server Explorer as a new entry in the message-node. Additionally the entry can be selected to be visible for the current user only or for all users and if the window, opened by the new entry should open in a separate window by default.
Delete Filter...	Opens a dialog where you can select a filter, which can be deleted.
Clear Screen	Removes all messages from the screen. Messages are not not deleted and can be restored with 'Refresh'.
Refresh	Refreshes the message entries.

Messages Context Menu

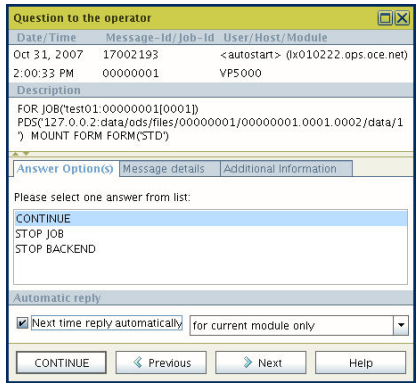
Some of the menu entries described above are also accessible via a context menu, which appears if you right click a message entry.

'Messages': Operator Requests

Introduction

Questions to the operator interrupt the printing process if certain operator actions are required. If the Messages **View** menu entry **Popup questions** is activated, the operator requests pop up automatically. Otherwise small icons in the status bar of the PRISMAproduction Server Explorer indicate if there are questions available or not.

Illustration



Icons in the Status Bar

The following icons indicate if there is a message to be answered to continue the print process:

Icon	Description
'Show open questions'	Double click this icon to show open questions.
'Show open questions'	No open questions are available.

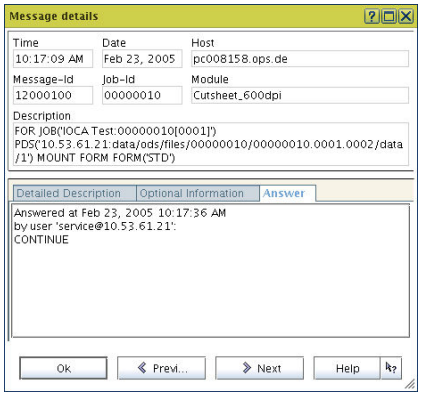
Operator Request Window

The layout of the bottom part of the window depends on the question. There can be displayed:

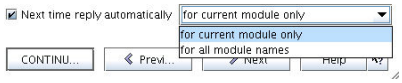
- a list containing all allowed answers (one of these answers must be selected, the window close button will then show the selected answer)
- a number value (with a checked range value)
- a free answer text input field

The selected or entered answer is transmitted to the sender, after the close button is selected. If the window is closed without selecting an answer, it's automatically reopened. The number of questions is indicated in the title of the window, here: '1 / 1' (number of open questions / number of questions). If there are more than one questions to be answered, two buttons are active at the bottom of the window, which allow you move one question backwards or forwards:

An answered question looks like this:



If the operator request can be answered automatically by the system, there will be a check box at the bottom of the dialog:



If the automatic answer is active, the message will appear in the list of the message configuration tool (see chapter 'Message System' -> "Overview" in the PRISMAproduction Server Administrator's Guide).Here you can activate or deactivate the automatic answer.

'VarioPJM'

'VarioPJM': Overview

Introduction

The PRISMAproduction Server **Vario PJM** is a combination of the Print Job Manager (PJM) and the Professional Document Composer (PDC). This user interface provides a dialog, which simplifies editing job tickets for cutsheet printers which are driven by the POD-Module.
Vario PJM consists of a **menu bar**, a **tool bar**, **four tabs**, which open different dialog boxes, and a **status bar**.

The following tabs are offered:

- *'VarioPJM: Job Setup / Notes'* on page 98
- *'VarioPJM: Settings'* on page 102
- *'VarioPJM: Additional Sheets'* on page 106
- *'VarioPJM: Special Pages'* on page 109

Functions of the Menu Bar/Tool Bar

Menu	Menu Entry	Description
'Ticket'	'New'	Generates a new job ticket.
	'Open'	Load the job ticket from a file. File ending is always .TIC.
	'Save'	Saves the ticket to file. File ending is always .TIC.
	'Save As ...'	Saves the ticket file in a different location.
	'Save Default'	The settings which you make in the main window – for example for job attributes – can be saved as defaults for future use. To save a set of defaults, click the 'Save Defaults' entry. When you create a new job ticket, PRISMAproduction Server proposes these defaults as settings for the new ticket. The 'Save Default' parameters are: ■ **Job parameter**: Job name, Copies, Printer, Job Queue ■ **Job attributes**: Store output file, Print, Print header/trailer, Notification
	'Clear Default'	Clears the default settings described above. After 'New' an empty job ticket is available again.
'Edit'	'File Properties ...'	File properties of PostScript and PDF files.
	'Professional Document Viewer ...'	Opens the file in the Professional Document Viewer for viewing.
	'Viewer Configuration ..."'	Opens a dialog box which allows you to assign viewing programs to different file types.

Menu	Menu Entry	Description
'Job'	'Transfer Mode ...'	Opens a dialog with the following options: ■ 'Print data will be copied to the Server.' The print files are copied to the ODS Master. In this case they can exist two times. ■ 'Create links to the print files if possible. Copies files if they are not on the ODS master''- Do not change the files until the job is finished -' If this option is selected, a link to the print files is created on the ODS master. This may be faster, but the files must not be changed, until the print job is finished.
	'Execute'	Execute a print job.
'Help'	Help contents	Opens the Vario PJM help
	Context help	Changes the mouse pointer into a question mark. If you click on an entry in the window you will get a related help topic.
	'About VarioPJM ...'	Version number of Vario PJM.

Functions of the Status Bar

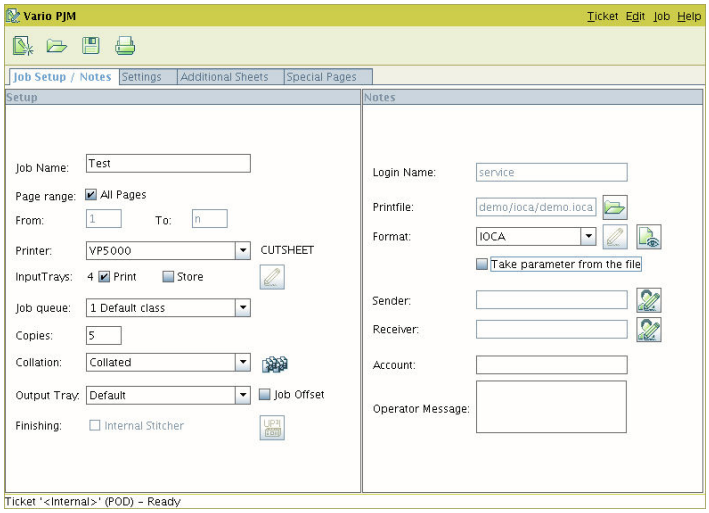
The status bar at the bottom of the window shows status messages (black) and error messages (red). The message remains in the status bar until it is overwritten by another message.

VarioPJM: 'Job Setup / Notes'

Introduction

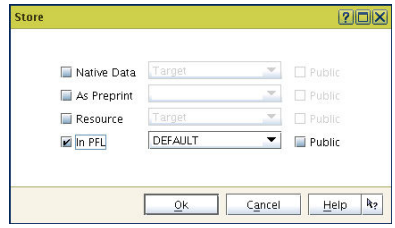
In this dialog you define the basic settings for the job, the printer and the postprocessing. Additionally you can insert information on the sender, receiver and account of the job.

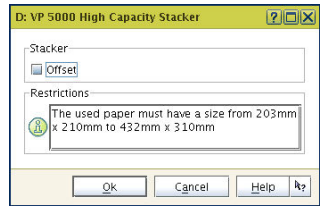
Illustration



Setup

UI Element	Description
'Job Name:'	Insert a job name to identify the print job. This name will be displayed in the Job List under "Jobname". It is recommended not to keep the default name "tmp". If you keep it, you will not be able to differentiate the jobs by their names. Use a maximum of 64 characters, or as minimum at least 1 character, which is no blank. '\', '/' in the job name are rejected, if an archive is addressed. '/' is rejected if you store in a directory.
'Page range:''All Pages'	Select the whole range of the print file by checking this box.
'Page range:''From:''To:'	Select the first and the last page to be printed.

UI Element	Description
'Printer:'	Select an AFP printer connected to this PRISMAproduction Server system. The number of input trays is displayed automatically.
'InputTrays:'	Displays the number of input trays which are configured for the selected printer.
'Print'	Print the job on the selected target printer.
'Store'	The print job will be stored on the PRISMAproduction Server server. Use the button (✎) to select the target directory: 
'Job queue:'	Select the job queue of the printer.
'Copies:'	Number of copies for the job. Max number of copies: 32767.
'Collation:'	Select whether to collate or not collate the copies of the job. 'Collated' will result in document copies, 'Uncollated' results in sheet copies. Additionally you can define an offset for both possibilities.
'Output Tray:'	Select the output tray. *Note:* You have to select a valid output tray, which is configured in the 'Printer Configuration'. If no valid tray is selected, a warning is displayed.
'Job Offset'	You can switch on or off the job offset.

UI Element	Description
'Finishing:'	'Internal Stitcher': You can use this function with the printers VarioPrint 2090/3090, Océ_9260 and Docutech_6180. If a UP³I device is set for the selected printer ('Printer Configuration' -> Output Trays), you can set up parameters pressing this button: 

Notes

UI Element	Description
'Login Name:'	Displays the current login name of the user.
'Printfile:'	Displays the name of the print file. The folder button allows you to select a file locally via a file selection box.
'Format:'	Displays the file format depending on the file selected. From a drop down list you can select another format. Clicking this button allows you to adjust the properties for the file (for example media or color settings). Clicking the 'Open Viewer' button, allows you to preview the original document depending on the file format with a configured viewer (IOCA with the Professional Document Viewer).
'Take parameter from the file'	All parameters are taken from the file.
'Sender:'	Displays the sender of the print job. Use this button to add additional information for the sender.
'Receiver:'	Displays the receiver of the print job. ^ Use this button to add additional information for the receiver.

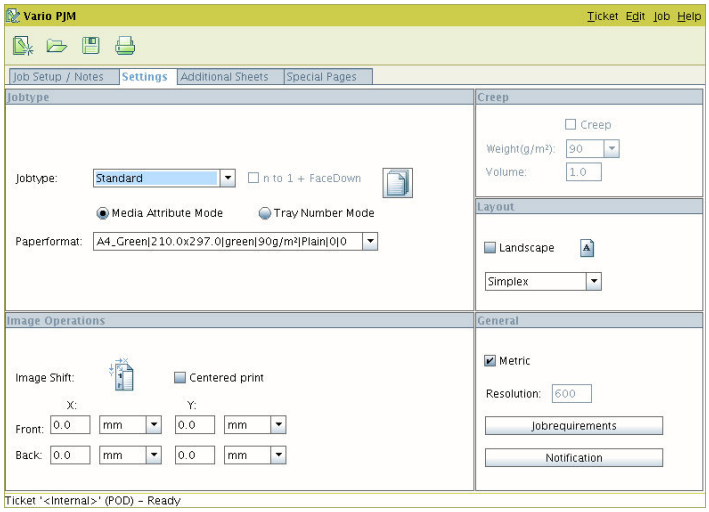
UI Element	Description
'Account:'	You can insert your account number here.
'Operator Message:'	Insert a message for the operator. The operator can view the message in the PRISMAproduction Server 'Explorer'.

VarioPJM: 'Settings'

Introduction

This dialog allows you to make further settings for the appearance of the print job. Additionally you can decide which measuring unit is valid for the display of the image shift. The resolution of the job is also displayed. At the bottom of the dialog you can insert an e-mail address for notification on the status of the job.

Illustration

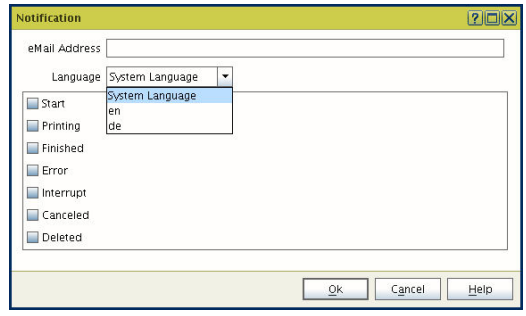


'Settings' Tab

UI Element	Description
Section 'Jobtype'	

UI Element	Description
'Jobtype:'	Select a specific jobtype: 'Standard' You can define image shifts with this type only. Stacking face-down. Print order 1-n. Note: The following three impositioning schemes require a target material twice the size of the original document! 'Booklet' (for portrait pages up to DIN A4/US Letter). Stacking face-down. Print order n-1. 'Calendar' (for landscape pages up to DIN A4/US Letter) Stacking face-down. Print order 1-n. '2 identical copies' (for pages up to DIN A4/US Letter). Stacking facedown. Print order 1-n. '.imp' Select impositioning sets which have been defined in PRISMAproduction Server using the Professional Document Composer.
'Media Attribute Mode' / 'Tray Number Mode'	Select 'Media Attribute Mode' to use the Attribute Based Media Selection (AIMS). If the 'Tray Number Mode' is used, the correct input tray is selected by its number.
'n to 1 + Face-Down'	This mode is only selectable with printer models VarioPrint 51xx and if the page range contains more than one page.
'Paperformat:' / 'Input Tray:'	In the 'Media Attribute Mode' (see above) select a paper, which has been defined in the PRISMAproduction Server database via 'Configuration' -> 'Paper' as user defined paper. In the 'Tray Number Mode' the media which are assigned to the trays are displayed.
Section 'Image Operations'	
'Image Shift:'	Set the image shift for the print job. You can shift front- and back pages within a range from -500 to 500 mm or from -19.68 to 19.68 inch in x- or y-direction. For jobtypes 'Booklet' and 'Calendar' you can shift values for the second image accordingly. As measuring units you can select mm, cm, pixel or inch.
'Centered print'	Activate this option to position the image in the center of the page.

UI Element	Description
Section 'Creep'	
'Creep'	Dependent on the jobtype ('Booklet' or 'Calendar') you can set creeping for the print job.
'Weight(g/m²):'	Select the paper weight from 40g/m² to 200g/m².
'Volume:'	Set the volume of the paper between 0.5 to 5.0.
Section 'Layout'	
'Landscape'	Select this option if the page is turned by 90°.
'Layout:'	Depending on the jobtype the following can be selected: - 'Simplex' - 'Duplex' - 'Tumble'
Section 'General'	
'Metric'	Select the basic measuring unit for the image shift. If you check the box, the unit will be mm. If you uncheck the box, the unit is inch.
'Resolution:'	Displays the resolution of the selected printer.
'Jobrequirements'	Opens a dialog box, where you can add different job requirements (like Media names, trays, resolution and many others) to the operator message. This message is sent with every print job and can be opened in the PRISMAproduction Server print queue window 'All Jobs'. For more details see chapter "Jobrequirement" in the PRISMAproduction Server Administration Settings and Tasks Guide.

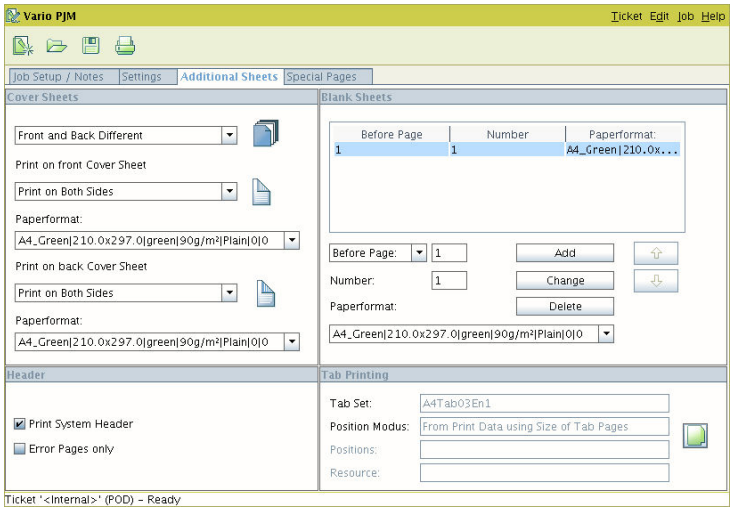
UI Element	Description
'Notification'	Use this button to configure the notification via an E-mail, if the job has a defined state. To use this function, you have to configure the access to an SMTP server via 'System Configuration'. The E-mail can also be sent as an SMS to a cellular phone.This information is stored in the ticket at section "[job]" in the following format: Active_Notification=.mailNotify <email-Address> <START|FINISHED|ER-ROR...>. An E-mail is sent for every specified status (blank separated). The email contains the following information as subject and as message information: "<JOBID>: Job '<JOBNAME>' has reached status <STATUS>". 'eMail Address' E-mail address for the message to be sent. Below the address you can Se-lect the status of the job, when an e-mail is to be sent. 'Language' Default is 'System', the system language of PRISMAproduction Server (as set in the system configuration). But you can also set another language for the notification messages, which may better suit the needs of your customer. 'Trigger on Status Change' Select the status of the job, when an e-mail is to be sent. 

VarioPJM: 'Additional Sheets'

Introduction

Here you define cover sheets, blank sheets or tabs.

Illustration



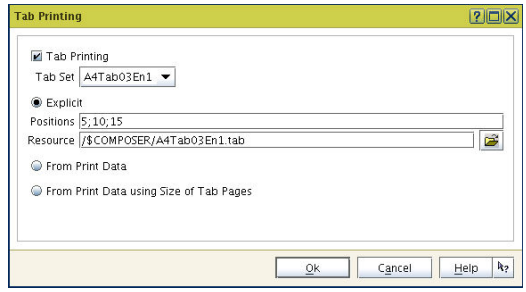
Additional Sheets Tab

UI Element	Description
Section 'Cover Sheets'	
'Cover Sheets'	Select one of the following options: - 'None' - 'Front Only' - 'Back Only' - 'Front and Back Same' - 'Front and Back Different'
'Print on front Cover Sheet'	Available options: - None - 'Print on Side 1' - 'Print on Side 2' - 'Print on Both Sides'

UI Element	Description
'Paperformat:' / 'Input Tray:'	In the 'Media Attribute Mode' (see above) select a paper, which has been defined in the PRISMAproduction Server database via 'Configuration' -> 'Paper' as user defined paper. In the 'Media Attribute Mode' you can select a tray number. The paper which is assigned to this tray is displayed.
'Print on back Cover Sheet'	Available options: - None - Print on Side 1 - Print on Side 2 - Print on Both Sides
'Paperformat:' / 'Input Tray:'	In the 'Media Attribute Mode' (see above) select a paper, which has been defined in the PRISMAproduction Server database via 'Configuration' -> 'Paper' as user defined paper. In the 'Media Attribute Mode' you can select a tray number. The paper which is assigned to this tray is displayed.
Note: If you define cover pages, which have already been defined as special pages, the corresponding entry for the special pages is adjusted (for example the first and last valid page is inserted). and a message is issued.	
Section 'Header'	
'Print System Header'	Check this box if you want to print a system header. The system header presents system-related data, for example the time and duration of the print process, the jobs number in the systems internal queue, the size of the job, the name of the print file, etc.
'Error Pages only'	If the box 'Print System Header' is checked, you can reduce the information to error messages .
Section 'Blank Sheets' (only with 'Standard' and '2 identical copies')	
Display area	Lists all blank pages which you insert with the 'Add' button below the list. Single entries in the list can be marked for deletion or modification.
'Before Page:'	Define the page number before which one or more blank pages should be inserted. See notes after this table!
'Number:'	Define the number of blank pages to be inserted.
'Input Tray:'	Select the physical tray. Depends on the selected printer.

UI Element	Description
'Paperformat:' 'Input Tray:'	In the 'Media Attribute Mode' (see above) select a paper, which has been defined in the PRISMAproduction Server database via 'Configuration' -> 'Paper' as user defined paper. In the 'Media Attribute Mode' you can select a tray number. The paper which is assigned to this tray is displayed.
'Add'	All parameters defined are added to the list above. The list is sorted by the page number.
'Change'	Modify the parameters of a marked entry in the list.
'Delete'	Marked entries are deleted from the list.

Note:
As you cannot define blank pages as cover pages, these will be ignored when submitting the job and a message is issued. When inserting blank pages, note the following: If you insert pages between the front- and backpage of a duplex page, the backpage becomes the frontpage of the following sheet. This means, all subsequent duplex pages will be moved one page backwards until the next simplex page or until the end of the job (except for the cover sheet).

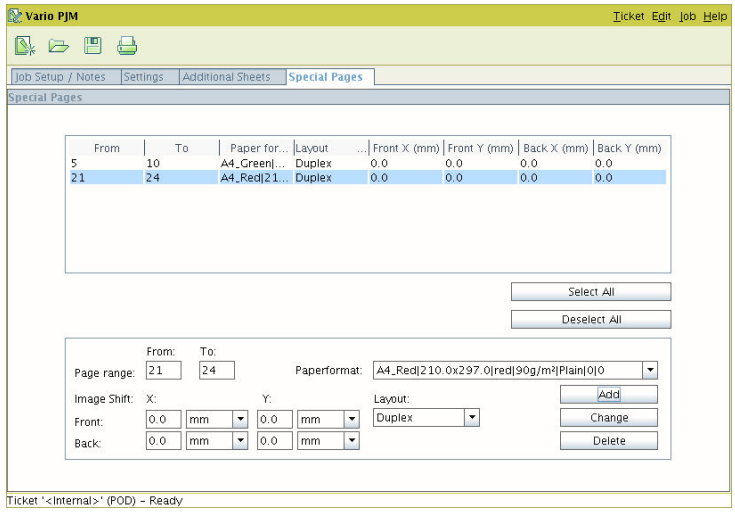
Section 'Tab Printing' (only with 'Standard')	
'Tab Set:'	Displays the tab set used for tab printing.
'Position Modus:'	Displays the position mode selected.
'Positions:'	Displays the positions on which the tabs are to be inserted. Only possible if 'Position Modus:' = 'Explicit'.
'Resource:'	Displays the resource for the tab set. Only possible if 'Position Modus:' = 'Explicit'.
	Opens a dialog, which allows you to change the parameters for tab printing:  See: *'Workflow Tab Printing'* on page 222.

VarioPJM: 'Special Pages'

Introduction

On this tab you define special pages for the print job. This function is only valid for the jobtypes 'Standard' and '2 identical copies'.

Illustration



'Special Pages' Tab

The table on this tab lists all special pages which you insert with the **Add** button below the list. Single entries in the list can be marked for deletion or modification.

UI Element	Description
'Select All'	Mark all entries in the list.
'Deselect All'	Demark all entries in the list.
'Page range:'-> 'From:' ->...'To:'	Insert the first and the last special page valid for this entry.
'Image Shift:' ->'X:' ->'Front:'	Insert an image shift in x direction on the front page (from -500 to 500 mm or from -19,68 to 19,68 inch). As measure units you can use 'mm', 'cm', 'pixel' or 'inch'.

UI Element	Description
'Image Shift:' ->'Y:' ->'Front:'	Insert an image shift in y direction on the front page (from -500 to 500 mm or from -19,68 to 19,68 inch). As measure units you can use 'mm', 'cm', 'pixel' or 'inch'.
'Image Shift:' ->'X:' ->'Back:'	Insert an image shift in x direction on the back page (from -500 to 500 mm or from -19,68 to 19,68 inch). As measure units you can use 'mm', 'cm', 'pixel' or 'inch'.
'Image Shift:' ->'Y:' ->'Back:'	Insert an image shift in y direction on the back page (from -500 to 500 mm or from -19,68 to 19,68 inch). As measure units you can use 'mm', 'cm', 'pixel' or 'inch'.
'Layout:'	Define the layout for the print job. Depending on the jobtype you have the following possibilities: - 'Simplex' - 'Duplex' - 'Tumble'
'Paperformat:' 'Input Tray:'	In the 'Media Attribute Mode' (see above) select a paper, which has been defined in the PRISMAproduction Server database via 'Configuration' -> 'Paper' as user defined paper. In the 'Tray Number Mode' you can select a tray number. The paper which is assigned to this tray is displayed.
'Add'	All parameters defined are added to the list above. The list is sorted by the page number.
'Change'	Modify the parameters of a marked entry in the list.
'Delete'	Marked entries are deleted from the list.

Note:
As you cannot define special pages as cover sheets with printing, a corresponding entry will be adjusted (this means the first or last valid page is entered). A message is displayed accordingly. Special pages shifts apply always to the pages specified, also if no material is changed or material is moved.
Note the following, if special pages cause a change of the print data and/or a change of material: If the frontpage of a duplex page is defined as special page only, the backpage becomes the frontpage of the following sheet. This means, all subsequent duplex pages will be moved one page backwards until the next simplex page or until the end of the job (except for the cover sheet).

PJM (Print Job Manager)

Introduction to the Print Job Manager

General

The **Print Job Manager** (PJM) is the common tool used to interactively define and submit jobs to the PRISMAproduction Server system.
The description of a print job is saved as the **Job Ticket**. Depending on the licensed language modules for example APA-Module, POD-Module ...) different file formats can be processed. The following description covers the formats which are available for the language module described in this book.
The job ticket describes the print job for one print file or for a list of print files. The print job contains the name of the print file, the type of data and the physical target of the printout. Depending on the printer type a list of print files may contain different data formats. After reformatting, for example PostScript, PCL or TIFF files can printed on an IPDS printing system.
Apart from print jobs you can also store resources and reprints within the job ticket which are released for production in a second step.
Based on a server/client concept these job tickets can be sent from any client to the server, where they are analyzed and processed.
In connection with LCDS print jobs are interpreted in a more general way. They include also the conversion of resources and compile jobs for the preparation of job description languages.

Permissions

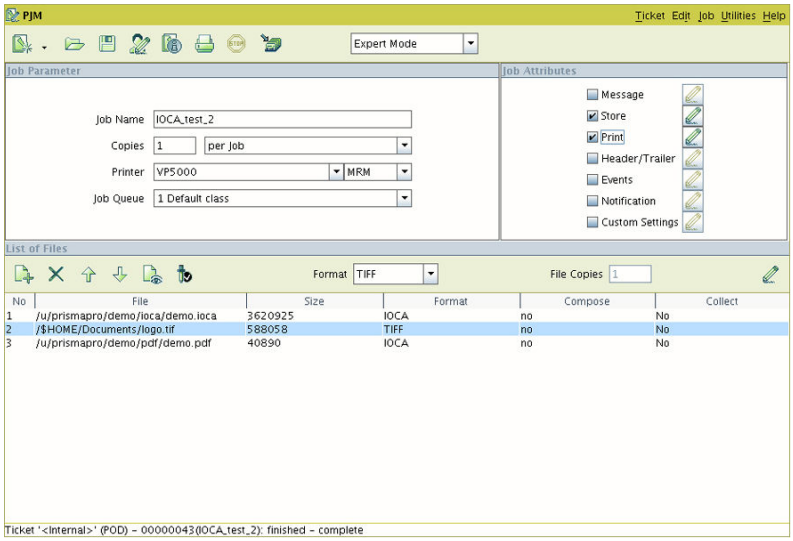
The PRISMAproduction Server 'Explorer' user administration allows you to assign permission groups which also contain PJM specific rights to single users.
Users of the default permission group 'Operator' have restricted access to the PJM capabilities: They can only work in 'Production Mode', open and start existing job tickets without making changes to the print parameters or saving a new ticket. Operators can only change the job queue, destination printer and number of copies of a given print job. They can add a print file in a preconfigured, empty job ticket. (See details on authorization levels in *'Set Working Mode'* on page 159).

PJM via Commandline

Apart from the graphical user interface, PJM can also be controlled via command line, which also allows the execution of print jobs. See chapter "PJM Command Line Mode Overview" in the PRISMAproduction Server Administrator's Guide.

PJM Main Window

Illustration



Components of the PJM Main Window

Component	Function
Menu Bar	Contains the following menus: 'Ticket' see *'PJM Ticket Menu'* on page 114, 'Ed&it' see *'PJM List of Files Section ('Edit' Menu)'* on page 121 'Job' see *'PJM Job Menu'* on page 152 'Utilities' see *'PJM Utilities Menu'* on page 158 'Help'
Tool Bar	Contains icons for a fast call of functions, which can also be accessed via the 'Ticket' and 'Job' menus. You also set the **Working Mode** here (see *'Set Working Mode'* on page 159.
Status Bar	Shows the current status of the job ticket generation and the job processing.
'Job Parameter' Section	Set general parameters for the entire print job. See *'PJM Job Parameter Section'* on page 116.
'Job Attributes' Section	Set detailed parameters for the output of the print job. See *'Job Attributes: Overview'* on page 132.

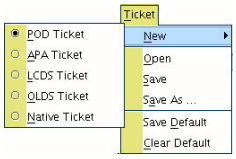
Component	Function
'List of Files' Section	Set detailed parameters for the files to be printed in a print job. See *'PJM List of Files Section ('Edit' Menu)'* on page 121.

PJM Ticket Menu

Introduction

The 'Ticket' menu contains commands for managing, saving and organizing job tickets. Some of the commands in the menu can also be accessed via toolbar buttons.

Illustration



Menu Entry	Description
'New'	Choose this command to create an empty job ticket with default settings. If you click on the small arrow, you can select the ticket type from a drop down menu. You can only select tickets which correspond to the installed PRISMAproduction Server licenses. All others are grayed out. The selection 'Native Ticket' is only available, if a PCL printer has been installed. If this ticket is selected, you can only define a print range as job attribute. For further information see the Technical Reference Guide, chapter "Print Parameters" -> "Functions of the PCL/PJL Backend".
'Open'	Use this command to open an existing job ticket. When you load a job ticket, a file selection box (see *'File Selection Box'* on page 125) is opened for you to select the job ticket. The job tickets are saved with the extension .**TIC**.
'Save'	Choose this command to save the current job ticket under its present name. If the ticket has no jobname, it will be saved with the default name tmp.TIC. Modifyed settings are saved under the current ticket name without notice. If the job ticket has not yet been saved, a **file selection box** opens (see 'Save As ...').

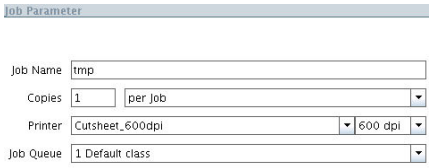
Menu Entry	Description
'Save As ...'	When you choose this command, a dialog box is opened listing the job ticket files that have already been saved. When you save a job ticket, a **file selection box** (see *'File Selection Box'* on page 125) is opened for you to select the item. The dialog box lists all the files in the selected directory. The job tickets are saved with the extension '.TIC'. You can also overwrite an existing job ticket by selecting its name in the list. The name of the ticket is then appended to the path name. The default name of a new job ticket is '<jobname>.TIC'.
'Save Default'	The settings that you make on a regular basis in the main window – for example for job attributes – can be saved as defaults for future use. To save a set of defaults, click this menu entry. When you create a new job ticket, PRISMAproduction Server proposes these defaults as settings for the new ticket. The 'Save Default' parameters are: ■ **Ticket type** ■ all 'Job Parameter': 'Job Name', 'Copies', 'Printer', 'Job Queue' ■ all 'Job Attributes': 'Message', 'Store', 'Print', 'Header/Trailer', 'Notification' ■ 'File Properties ...' which have been saved as default.
'Clear Default'	Clears the default settings described above. After 'New' an empty job ticket is available again.

PJM 'Job Parameter' Section

Introduction

The 'Job Parameter' section cannot be accessed via the menu- or toolbar. Here you have to define general settings for a print job.

Illustration



UI Element	Description
'Job Name'	Insert a job name to identify the print job. This name will be displayed in the Job List under "Jobname". It is recommended not to keep the default name "tmp". If you keep it, you will not be able to differentiate the jobs by their names. Use a maximum of 64 characters, or as minimum at least 1 character, which is no blank. '\', '/' in the job name are rejected, if an archive is addressed. '/' is rejected if you store in a directory.

UI Element	Description
'Copies'	Number of copies to be printed of the entire job and additional options for jobs: 'per Job': Number of copies of the job (max. 32767 copies). 'on Sheets': (POD-Module only) Choosing this option will print the single pages one after the other as many times as indicated in the 'Copies' field (n-times the first sheet and then n-times the second sheet and so on). This function is only available if the Professional Document Composer is installed and you are printing on an I mode printer. 'per Job + Files': Select this option to indicate that you want to print file copies. The number of file copies can be specified in the 'List of Files' section. 'as separate Jobs': This setting has the effect that for every file an own job is created in the 'List of Files'. The single jobs get an own job number and the job names are deduced from the job name inserted above. You can set for the single files different number of copies in the 'List of Files'. In further processing these copies are dealt with as job copies. *Note:* See also *'Jobsplitting per Job Copies'* on page 119.

UI Element	Description
'Printer'	One printer selected from a list of all the printers in the PRISMAproduction network. Select the printer on which the job is to be printed. **Warning**: Your choice will have an influence on PJM menu functions because some settings depend on the selected printer. If the option 'Access Each Printer of a Cluster' is enabled in the 'System Configuration', in addition to the cluster names all single printers within a cluster are selectable from this list. Thus jobs can be transferred to single printers, to single printers within a cluster or to a cluster. If you select a single printer, tho job will be printed only on this printer. If you select a cluster of the type 'printer', the job will be printed on any available printer in this cluster, which matches the requirements of the job. If you select a cluster of the type 'printer_jobs_splitting', the copies of the job will be distributed to the printers of the cluster (see 'Configuration' -> 'Cluster'). In addition to the printers configured in the system, logical printers <Any printer> are offered in this list. If you configure printers with the resolution of 600, 300 or 240 dpi, logical printers <Any xxx dpi printer> are offered, which match the resolution configured. If you select <Any printer>, the job will be executed on any printer available (which has the resolution MRM). If you select <Any xxx dpi printer>, the job will be printed on a printer which matches the resolution. If the printer name starts with "TP...", a TrueProof printer is configured in the System. Next to the printer name text box you find another combo box which allows you to select the desired resolution. The resolutions offered here depends on the selected printer model.
'Job Queue'	Sets the job queue of the print job. Which job queues are listed depends on the valid job queues defined for the selected target printer. You define Job queues under 'Configuration' -> 'Job queues'. In the 'Printer Configuration' the job queues are assigned to printers.

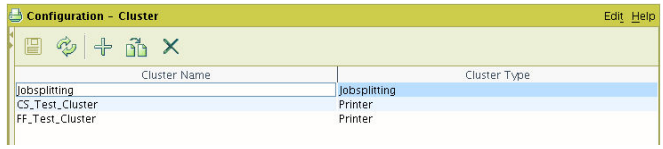
Jobsplitting per Job Copies

Purpose

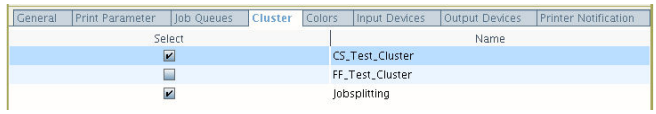
Use this function to distribute higher numbers of job copies (not file copies) on several printers for faster output.

Jobsplitting Procedure

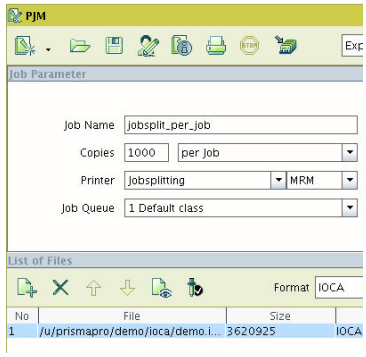
1. In the 'Explorer' under 'Configuration' -> 'Cluster' create a new cluster of the 'Jobsplitting' type.



2. Under 'Configuration' -> 'Printer' assign at least two printers to this cluster.



3. In the 'Job Parameter' section of the PJM you have to select this cluster as 'Printer'. In the example below the cluster name is "Jobsplitting".



4. Insert the number of copies per job and submit the job. It will be distributed evenly on the number of printers in the cluster. Therefore the total number of job copies is divided by the number of printers in the cluster. Every part of the job get's it's own job id. You can verify the result in the joblist.

Result

If one of the printers or except for one all printers of the cluster fail, the job will be printed on the available printer because in the job list the name of the cluster and not of a single printer is referenced.
The distributed jobs are always printed together (even on different printers). Other jobs, which are located between the distributed jobs in the list and should actually be printed before, will not be sent to the printer.

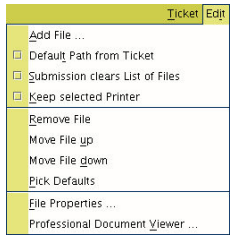
Note:
The express setting applies to the single job, which means the job will not be printed together if you assign express rights to one of it's parts.

PJM 'List of Files' Section ('Edit' Menu)

Introduction

The 'List of Files' section in the main PJM window is where you assemble and edit the set of print files belonging to the job. You can set the format and parameters of each file in the list.
All language module jobs support multiple entries in the 'List of Files'.
You can switch from right justification to left justification of the table entries if you click the table heading. This might help you reading long list entries. The commands in the 'Ed&it' menu can all also be accessed via the tool bar in the 'List of Files' section.
These commands are used for editing the entries in the list.

Illustration



Menu Entry / Icon	Description
'Add File ...'	When you click 'Add File ...', a file selection box (see below) opens for you to select the print file(s) you want to put in the job ticket. Every file inserted is checked for the data format, which is then displayed in the 'Format' column. If you have defined default values with the 'Pick Defaults' function, every file which is inserted in the list contains this data format and these file properties. For the POD-Module: If you load reprints from the PFL into the 'List of Files', these will automatically be connected with the IOCA format, because they have been converted to this format already. The 'List of Files' can contain a maximum of 9998 files.
'Default Path from Ticket' (Edit menu only)	Activating this option adds the path of the selected file as default value, if you use the 'Pick Defaults' function.

Menu Entry / Icon	Description
'Submission clears List of Files' (Edit menu only)	If this option is checked, the list will be automatically deleted after printing to avoid accidentally printing files of a former job.
'Keep selected Printer' (Edit menu only)	If you open a job ticket and this box is checked, the printer selected in the 'Job Parameter' section is not overwritten by the printer defined in the job ticket. This allows you to keep a specific printer.
'Remove File'	Choose this command to remove files from the list.
'Move File up'	You use this function chiefly when you want to print various files in a particular order. The selected file can be moved one place up in the list.
'Move File down'	You use this function chiefly when you want to print various files in a particular order. The selected file(s) can be moved one place down in the list.
'View File ...'	(POD-Module only). A suitable viewing program is started for the selected file. You can configure one program per data format via the 'Utilities' menu. If nothing is configured, the Professional Document Viewer opens for TIFF and IOCA files.
'Pick Defaults'	The file properties that you make on a regular basis – for example for form definition, page definition, and so on – can be saved as defaults for further files to be placed in the list. To save a set of defaults, mark a file and click 'Pick Defaults'. All files you subsequently place in the 'List of Files' are automatically assigned the same settings. All options which can be set in the 'List of Files' are saved as defaults (file format, file properties). The defaults only remain active until you next load a new job ticket. To use the same defaults with every job ticket, you have to save them permanently. You do this with 'Save Default' in the Ticket menu. Additionally you can use the path of the selected file as default path for the other files. Therefore you have to activate the 'Default Path from Ticket' function in the 'Ed&it' menu.
'Format'	Set the format for the marked file (see *'File Formats'* on page 128).

Menu Entry / Icon	Description
'File Copies'	Number of file copies, which should be created in this job (1-32767). The 'File Copies' field is active, if you select 'per Job + Files' in the 'Job Parameter' section. With 'ENTER' the value will be transferred to the marked files. **Note**: In this case no 'Chain files before Composing' is possible. Like wise, such a job cannot be stored. Error messages will be shown, when the job is executed. **LCDS Note**: LCDS has its own 'JDL / DJDE based' XEROX copy feature. LCDS 'JSL' copy counts do not show up in the spool queue, because the actual copies may differ due to copy modification entries, etc. **From V3.00.06**: To be compatible with previous release, not including the job grouping feature, the following change was made for all jobs including a single file: After job submission, the file copy count will be multiplied with the job copy count. The result is entered in the job copy count and the file copy count is set to 1.
'File Properties ...'	This command opens a window where you can adjust the settings of a print file. You can also open the dialog box by double-clicking the file name in the 'List of Files' section. You will get different windows depending on the POD-Module module you are working with. See the respective chapters for the module dependent file properties ('APA Settings', 'Properties for LCDS file' and 'File Properties POD-Module).

List of Files Columns

The colums titles displayed depend on the selected ticket type (POD, APA or LCDS).

Column Title	Description
'No'	Number of the file within the system.
'File'	Fully qualified filename.
Size	Size of the file in bytes.
'Format'	Format of the file. Is set automatically by the PJM.
'Compose' (POD only)	Indicate if the file is modified by the Composer. See chapter "POD File Properties -> Compose".

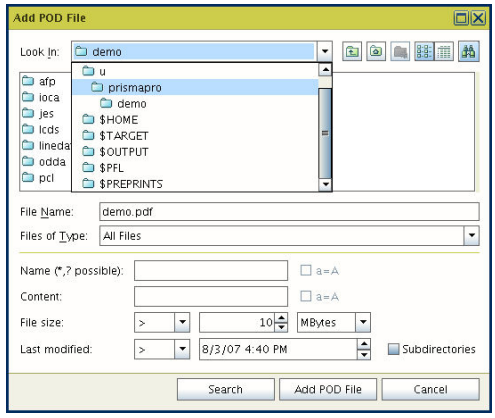
Column Title	Description
'Collect' (POD only)	Indicates, if the file is processed by the collect function. See chapter "POD File Properties -> Collect".
'Formdef' (APA only)	Indicates the form definition selected. See chapter "APA Settings -> Resources".
'Pagedef' (APA only)	Indicates the page definition selected. See See chapter "APA Settings -> Resources".
'JDL' (LCDS only)	Job Description Library. See chapter "Properties for LCDS file -> General".
'JDE' (LCDS only)	Job Description Entry. See chapter "Properties for LCDS file -> General".

File Selection Box

Introduction

Clicking this icon: opens the file selection box. The caption on the title bar depends on the selected job ticket (APA, LCDS, POD or OLDS). The physical or virtual directories which are presented under "Look In:" also vary depending on the active ticket type. Select the file(s) to be inserted in one job ticket. The list can contain up to 9998 files. With the POD-Module you can load job tickets and reprints from an archive. Options within the job ticket, which are not supported by the server settings are marked red. With the other modules you can also select files from devices such as tapes, cartidges and other hard disks.
All Modules provide access to the vitual directory $DEMO, which contains preconfigured test jobs.

Illustration



[154] Example of the POD file selection box with activated search options

Window Functions

UI Element	Description
'Look In:'	Name of the directory of which the contents is displayed. The system remembers the last file opened and displays it. If this file has been deleted, the parent directory will be selected instead. Clicking the list button opens a view of all directories in hierarchy above the selected directory. Double clicking a directory opens it. Directories beginning with $ are logical paths for default libraries from which you can also select files. See *'Virtual Directories'* on page 130. Via $DEVICE you can for example select files from tape for APA and LCDS. Via $DEMO you can access preconfigured test jobs for different file formats.
'Up One Level'	Changes to the next higher directory.
'Home'	Changes to the login directory.
'Create New Folder'	Creates a new folder in the selected directory.
'List'	Displays the files in a folder in the form of a list.
'Details'	Displays the files with detailed information on the file size and date of the last modification.
'File Name'	The file displayed here is selected and can be placed in the 'List of Files'. If you press <shift> or <ctrl> when selecting files, you can mark more than one file to be placed in the list. When a Device (Tape) is selected, only a single file name is allowed. Only one (1) asterisk (*) is allowed in this file name. To select the first, second or third file on the device without knowing the filename the file sequence number can be used. Examples: '1:' to select the first file, '2:' to select the second file.
'Add APA/POD/LCDS/OLDS File(s)	Adds the selected file(s) you have selected or found via the serch dialog to the 'List of Files'. The file selection box is closed.

UI Element	Description
'Files of Type'	Only files of this type are displayed. If you select the UNIX file filter, you can use file names with wildcards according to the UNIX rules.
'Search'	Adds the search dialog to the file selection window (see the lower part of the screenshot above). You can search for a file 'Name' (wildcards * and ? are allowed) or for 'Content' (text, which is in the file, you search for) or for files of a certain size/modification date. You can also include subdirectories in the search. If you search in a POD archive, many more search attributes are offered. This is because POD archives are connected to a database, which holds the meta data of the print files.
'Cancel'	Closes the window without adding files.

File Formats

Introduction

You set the format for a file, which is part of a PJM-Job in the 'List of Files' section of the PJM window.

File Formats for all Modules

Depending on the language module you use, the selected files can have the following formats:

POD-Module	
IOCA	Image Object Content Architecture. This format is a subset of AFP. Files in this format do not have to be converted. You can reconvert IOCA to TIFF, PS or PDF, when you store the file: In the 'Job Attributes' window select "Store as resource" and apply the desired format.
PCL	Files are converted for printing by the PCL-Converter.
TIFF	Files are converted for printing by the TIFF-Converter.
RAW	Select this format for files, which are to be printed without further checking and without conversion (pass through). It is under the re-sposibility of the user that the target printer is able to interpret the data format. RAW data cannot be modified by 'Collect' and 'Compose'.
PDF-Unity	File is in the PDF format and is converted for printing by the Unity-Converter.
PS-Unity	File is in the PostScript2 or PostScript3 format and is converted for printing by the Unity-Converter.
PDF-Unity+	Creates an object container data output. The files are then converted by the printer controller (see "Unity Plus (GraphicArts_Plus)" in the PRISMAproduction Server Administration Settings and Tasks Guide).
PS-Unity+	Creates an object container data output. The files are then converted by the printer controller (see "Unity Plus (GraphicArts_Plus)" in the PRISMAproduction Server Administration Settings and Tasks Guide).

APA- and LCDS-Modules	
APA	Files to be printed with the APA-Module must have the **AFP** file format. If you want to print **ASCII-Linedata**, you can also select this format and modify corresponding parameters in the **APA Settings** dialog. If you select **RAW**, the data will be printed without further checking.
LCDS	Files to be printed with the LCDS-Module must have the file formats **LCDS Data**, **JSL**, **Resource** or **Sample**.

Reconverting file formats

Files in the IOCA format can be reconverted into TIFF, PS or PDF, if you set the appropriate format in the 'Job Attributes' -> 'Store' -> 'Resource' dialog (the reconversion into PS or PDF requires PS+PDF output license). The resulting files are stored in $OUTPUT. A matching suffix will be added.

Virtual Directories

Introduction

Under **Look In** in the file selection box you find so called logical paths like $TARGET or $PFL (POD-Module). These paths lead to directories, where you can store specific files dependent on their usage. Some of these directories can also be accessed via the 'Job Attributes' -> 'Store' dialog. You can use 'Server Files' to administrate and modify the logical directories. See *'Server Files'* on page 46.

Virtual Directories for all Modules

APA- and POD-Modules	
$TARGET	The original files in their native format are stored in "$TARGET/login#filename" if they are marked for public access and in "$TARGET/login/filename" if the files are not accessible by other users. (A login name can be for example admin or service). Under 'Job Attributes' -> 'Store' you can save files in their native format.
$HOME	Home directory of the current PRISMAproduction Server user. Write permissions for this directory can be configured in 'Configuration' -> 'User Permissions' -> 'General Explorer settings'.
APA-, OLDS- and LCDS-Modules	
$DEVICE	Device selection. Dependent on the module different source media like cartridges, tapes or discettes are offered. You can add devices with the 'Server Files' application.
LCDS-Module	
$XDATA_DEVICE	Input devices for LCDS print data can be selected here: cartridge, tape and channel. Additionally you can select channel 1 to 4 if via the service user script "number_of_channels". Select these devices, if you want to read LCDS data from a tape, cartridge or online channel. You don't need to select single files because all data are processed. The suitable LCDS format "LCDS Data" is set automatically.
$XRESOURCE	Library link to the LCDS resources import directory 'u/prismapro/data/resimport/lcds' for the import of LCDS-Xerox resources from harddisk. All resources including JSLs have to be in the "512 Byte Block" format. ASCII formatted JSLs must not be imported via $XRESOURCE. The suitable LCDS format "Resource" is set automatically.

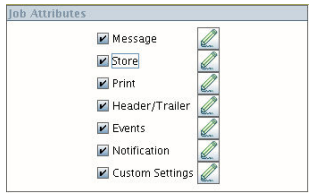
APA- and POD-Modules	
jsl	Library link to the jsl library of the selected custom catalog to choose the JSL to be compiled. Automatically the appropriate LCDS format "JSL" is chosen.
rds	Library link to the rds library of the selected custom catalog to choose the resource to be sampled. Automatically the appropriate LCDS format **Sample** is chosen.
POD-Module	
$OUTPUT	Directory which stores files sorted by the format TIFF, PS or PDF. Under 'Job Attributes' -> 'Store' -> 'Resource' just select one of these formats.
$PFL	Print File Library: Stores job tickets ready to be printed. An incremented number will be added to the files, so that they are not overwritten in case of modification.
$PREPRINTS	Contains already converted files ‘under construction’. You can use this directory to try out different schemes of impositioning without converting the files again and again. Modified files overwrite the old version.
All Modules	
$DEMO	This directory contains demo jobs for all language modules.

'Job Attributes': Overview

Introduction

The parameters you define in the 'Job Attributes' Section influence the submission of a print job.

Illustration



Available Categories:

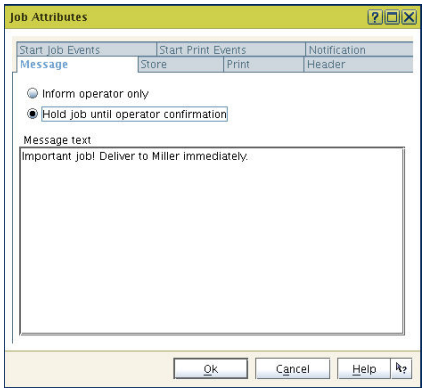
Clicking on the edit icon: will open a dialog box with up to seven enabled tabs (depending on the boxes you have checked):

Category	Function
'Message'	You can add a message for the operator to the job. The job can be interrupted until the operator confirms this message. See: *'Job Attributes: Message'* on page 134.
'Store'	The files used within a job can be stored in special directories, to make the available for other applications, if needed. For instance original files, generated print files or mapping files can be stored each in separate directories. See: *'Job Attributes: Store'* on page 135.
'Print'	You can add parameters to the job, which apply to the printer, for example reducing the print job to a defined page range or the control of the hardware mode of the printer. See: *'Job Attributes: Print'* on page 139.
'Header/Trailer'	You can define, if header pages should be printed or not and of which type these page are to be. See: *'Job Attributes: Header/Trailer'* on page 145.
'Events'	Here you can define if executing or printing a job is dependent on the occurrence of a defined event. See: *'Job Attributes: Start Job Events'* on page 147 and *'Job Attributes: Start Print Events'* on page 149.

Category	Function
'Notification'	If a defined job status is reached, an E-mail will be issued. See: *'Job Attributes: Notification'* on page 150.
'Custom Settings'	The "Custom Settings" tab is for other print job parameters that are not set on any of the other tabs (for example because they are user-defined, or rarely used). You can use the tab to enter freeform parameter names and values. See: *'Job Attributes: Custom Settings'* on page 151.

'Job Attributes': 'Message'

Illustration



Window Functions

Use the 'Message' tab to enter a message to submit to the operator. You can decide if the the job will only be continued if the operator confirms the message or if the message is only added to the job without influencing the job processing. The default setting is "Inform operator only".

If a note to the operator is entered in the text field, the job ticket is displayed in the 'Explorer''All Jobs' application with a special icon:

The text is displayed by double-clicking the print job name.

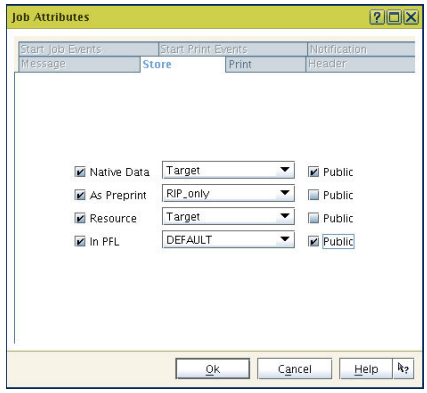
UI Element	Description
'Inform operator only'	When this option is active, the message does not influence the job processing.
'Hold job until operator confirmation'	The print job remains in wait state with the message "exception-waiting for release". The operator can call up the message by double-clicking the job in the 'All Jobs' window, and can then confirm it with "Start" or hold the job by clicking "Wait". The print process does not continue unless the message is confirmed.
'Message text'	A free form message text can be typed in here..

'Job Attributes': 'Store'

Introduction

You can save a print file for further use by storing it in a purpose-defined directory (library). The directories (libraries) to be selected depend on the language module used (ticket type APA, POD or LCDS).

Illustration



Store Options for the POD-Module

Type of Data	Directories / Libraries
'Native Data'	The original (native) files are stored in $TARGET'/login#filename. The login name can be for example 'service' or 'applic'. This option is available for all language modules.
'As Preprint'	The already converted print data are stored in the Preprint archive for further processing (adding impositionig schemes).

Type of Data	Directories / Libraries
'Resource'	

Type of Data	Directories / Libraries
	The created print job is saved as a resource of the specified type. A resource file is created especially for the print file preparation process. These files are called during the process and contribute specific elements to the print job. A resource file might also have to run through various components of the **Print Job Manager** (for example a converter) before it can be saved to one of the logical paths for further use. Resources can be prepared for the **Professional Document Composer** as overlays, variable data, etc. They can also take the form of user defined header pages to be used with the "Print" function. Resource files can be saved for later editing – a logical path might be declared a location for storing files that are still in native format or which have already been converted into TIFF or in IOCA but need to undergo further processing before they can be used as print files. ■ **Target** Stores the original files as IOCAs in the $TARGET directory. ■ **Header** Stores user defined Header files in the $HEADER directory. ■ **Tiff** Stores TIFF data with the ending *.TIFF in the $OUTPUT directory. ■ **Ps** Stores PS data with the ending *.PS in the $OUTPUT directory (requires PS+PDFoutput license). ■ **Pdf** Stores PDF data with the ending *.PDF in the $OUTPUT directory (requires PS+PDFoutput license). ■ **Marks** File type containing user defined marks which can be used when working with the 'Professional Document Composer'. Users create from a 'black sheet' marks of a defined size. The files are saved in the §COMPOSER directory with the ending *.mrk. ■ **Variable Data** Type of files which are connected with static documents, for example when creating serial letters via the PDC. The files are saved in the $COMPOSER directory with the ending *.var. ■ **Overlays**

Type of Data	Directories / Libraries
	Files which are connected to other files in the PDC. They are saved in the $COMPOSER directory with the ending *.ovl. ■ **Tab Resources** Resource files for tab printing, which should only contain tab pages and are stored in the $COMPOSER directory with the ending *.tab. ■ **Merge** Files which could be inserted into existing documents by pages. They are saved in the $COMPOSER directory with the ending *.mrg. ■ **Mapping** Files which could be used to overlay IOCA files. They are saved in the $COMPOSER directory with the ending *.map.
'In PFL'	The created print job is stored in the selected archive of the **Print File Library** as a job which is ready for production.
'Public'	If this function is enabled, the file can be accessed by other users in the PRISMAproduction Server system. It is stored under 'directory/user#filename'. **Example**: '$TARGET/admin#15pages.ps'. If the file is not stored for public use, it will be saved in the directory 'user'. **Example**: '$TARGET/admin/15pages.ps'

Store Options for the APA- and LCDS-Modules

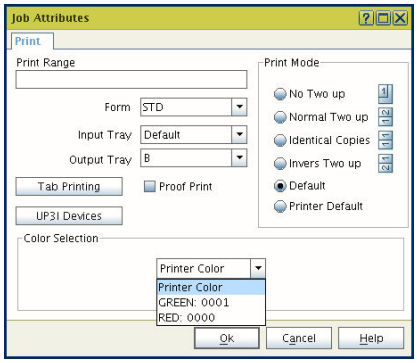
Type of Data	Directories
'Native Data'	The original (native) files are stored in $TARGET'/login#filename. The login name can be for example 'service' or 'applic'. This option is available for all language modules.
'Resource'	Only available for the APA-Module. Data can be stored here as "Packed AFP". These AFP containers can be used within other AFP files.
'Public'	If this function is enabled, the file can be accessed by other users in the PRISMAproduction Server system. It is stored under 'directory/user#filename'. **Example**: '$TARGET/admin#15pages.txt'. If the file is not stored for public use, it will be saved in the directory 'user'. **Example**: '$TARGET/admin/15pages.txt'

'Job Attributes': 'Print'

Introduction

Use the options on this tab to manipulate the print output. For further settings use the 'Professional Document Composer'

Illustration

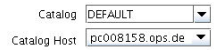


All Modules	Description
'Print Range'	

All Modules	Description
	Enter one or more print ranges (assuming you do not want to print the entire document). You can choose different ways of defining the printing range: 5 (= page 5). 5- (= all pages beginning page 5).. -5 (= page 1 though 5). 5-8 (= page 5 though 8). 6-7; 15- (= page 6 through 7 and all pages from page 15). If you want to restrict the print range for a user defined header, you can only do this via the 'Job Properties' dialog in the 'All Jobs' application. Only APA-Module and POD-Module with the setting "per job + files": You can also enter ranges of more than one print file. Therefore you identify the files via the file number in the 'List of Files'. **Examples**: 1:1-10;2:2-3 (= file No.1 from page 1 through page 10 and file No.2 from page 2 through page 3) 3-5:1-5;10- (= file No.3, No.4, No.5, pages 1 to 5 each and page 10 to end of file) 1-3:10-;5-:1- (= file No.1, No.2, No.3, for each file page 10 to end of file and from file 5 all pages to end of job) *Note:* Pages means in this case the logical pages of the data stream (and not the physical sheets)!
'Form'	In this field you can enter or select a specific "form" (size and appearance of the logical page) which will be assigned to the whole printjob. In the 'All Jobs' window the selected form will be displayed giving you the possibility to print only jobs of the same form. You define the forms available in the PJM with the 'Paper' tool to be selected from the 'Explorer' 'Configuration' view. If the SCT tool is used for LCDS jobs, the table name of the active SCT table is used as 'form' entry. In this case the PJM 'Form' entry is not used.

All Modules	Description
'Input Tray'	The selection provided here depends on the definition of input tray names you make under 'Configuration' -> 'Printers' -> 'Input Devices' (see chapter "Printer Configuration" -> "Input Devices" in the PRISMAproduction Server Administration Settings and Tasks Guide). The input tray of the printer itself has to be set to "Remote". 'Default': Information on the input trays is read from the data stream. 'Printer Default': The information comes from the configuration of the printer.
'Output Tray'	The selection provided here depends on the definition of output tray names you make under 'Configuration' -> 'Printers' -> 'Output Devices' (see chapter "Printer Configuration" -> "Output Devices" in the PRISMAproduction Server Administration Settings and Tasks Guide). The output tray of the printer itself has to be set to "Remote". To work with the settings of the 'UP3I Devices', you have to activate the UP3I-tray, you configured in the printer configuration (see *'Workflow UP3I Devices'* on page 225). 'Default': Information on the input trays is read from the data stream. 'Printer Default': The information comes from the configuration of the printer.

All Modules	Description
'Print Mode'	These parameters enable you to set the hardware mode on the printer. The "Print mode" defines the relation between logical pages and the physical page when printing on a continuous feed printer. You can enter any mode, even if there is a different one selected for the Composer. However, when you use the hardware mode, the settings for this mode will be executed in addition to the mode settings specified in the Composer. **Example**: If you have selected "Two up" mode in the Composer and 'Identical copies' for the hardware mode, the document will first be processed for two-up and then an identical copy will be made of this two-up. **Example**: If you select the default "No Two up", the document will just be manipulated by the "Two-up" of the Composer. 'No Two up' One logical page will be printed on the physical page. 'Normal Two up' The logical pages 1 and 2 will be printed on the first physical page, pages 3 and 4 on the second physical page. 'Identical Copies' The logical page 1 and it's copy (copies) will be printed on the first physical page, logical page 2 and it's copy (copies) will be printed on the second physical page. 'Invers Two up' The logical pages 2 and 1 will be printed on the first physical page, pages 4 and 3 on the second physical page. 'Default' The information comes from the data stream. 'Printer Default' The information comes from the configuration of the printer.
'Color Selection'	Select the color(s) with which the job is to be printed. The number of fields depend on the number of toner stations of the printer. For details see *'Workflow Color Selection'* on page 232.
POD-Module	**Description**
'Proof Print'	This command superimposes a grid on each page, which helps you measure the position of images more exactly. If this button is active and the number of copies is higher than 1 an error message is displayed.
'Tab Printing'	Printing of tabs within a document. For details see *'Workflow Tab Printing'* on page 222.

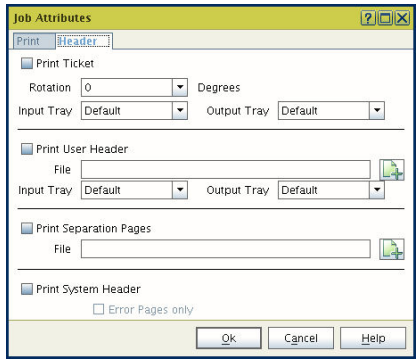
All Modules	Description
'UP3I Devices'	Connection to UP3I postprocessing devices. For details see *'Workflow UP3I Devices'* on page 225.
APA- / LCDS-Module	**Description**
RESOURCE PACKAGING	If this option is activated, external resources will be packed in the printdata file as inline resources.
LCDS-Module	**Description**
'Catalog'/ 'Catalog Host'	Here you define the GCI-Catalog, in which the whole LCDS job is running. You can also define the computer, on which the catalog is stored. 

'Job Attributes': 'Header/Trailer'

Introduction

Here you can add a header page with job-related details to the job. This information can be used for job identification purposes.

Illustration



Header Page Types

UI Element	Description
'Print Ticket' (POD-Module)	Turn this option on to print a header page with all the information relating to the job ticket. You can also define the job ticket input/output tray if the Job Ticket is to be printed on different paper. You can rotate the Job Ticket ('Rotation'') to adapt it to the orientation of the document.
'Print User Header' (POD-Module)	Use this option to add a user-specific header page from the $HEADER directory. When you click the open file button, a file selection box with the predefined $HEADER directory opens for you to load a custom-defined header page. You can also type in a specific filename. You can also select the in- and output bin, if the header page is to be printed on a different paper or should be ejected to a different output bin.
'Print Separation Pages' (POD-Module)	Separation sheets can be inserted automatically between print files. You can print a file stored in the $HEADER-library on the separation sheets. The print files and the files printed on the separation sheets are chained to one print file.

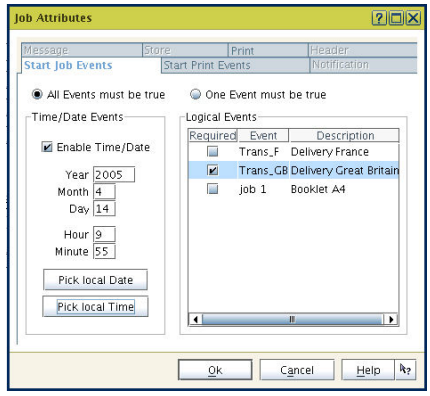
UI Element	Description
'Print System Header' (POD-, LCDS- and APA-Modules)	The 'System Header' presents system-related data, for example the time and duration of the print process, the job's number in the system's internal queue, the size of the job, the name of the print file, etc. The information can also be reduced to error messages. *Note:* For LCDS and APA-Tickets the print of a system header is **always** enabled.

'Job Attributes': 'Start Job Events'

Introduction

A job is only processed (for example converted), if the events selected here are true. Until then the job is in the state 'waiting - for event' or 'waiting - for time to run'.
There are two kinds of events: Time/Date Events and Logical Events.
You define and activate logical events under 'Configuration' -> 'Events' (for example "Nightshift" or "Reel of paper installed"). See *'Events Configuration'* on page 218.
You can activate 'Time/Date Events' directly in this window by selecting a time.

Illustration



Conditions

UI Element	Description
'All Events must be true'	All events (logical and date/time) must be true, before the job is submitted.
'One Event must be true'	One event (logical and date/time) must be true, before the job is submitted.

Note:
If the timer of a print job has expired (for example because of an old job ticket), the job will be submitted without comment.

Time/Date Events

UI Element	Description
'Enable Time/Date'	You can only set the time if this option is activated.
'Pick local Date' / 'Pick local Time'	Click these buttons to set the current system time and date.

Logical Events

The logical events configured in the database are listed here.

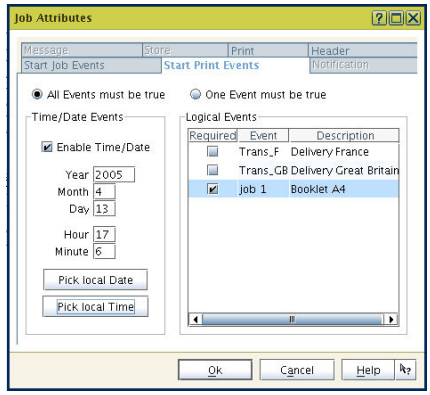
UI Element	Description
'Required'	Check the boxes of the events which should be relevant for job submission. You are allowed to select up to 8 events.
'Event'	Output of the event name as configured in the database.
'Description'	Output of the event description.

'Job Attributes': 'Start Print Events'

Introduction

A job is only printed (status 'Ready to print'), if the events selected here are true. Until then the job is in the state 'waiting - for event' or 'waiting - for time to run'.
For further details see *'Job Attributes: Start Job Events'* on page 147

Illustration



'Job Attributes': 'Notification'

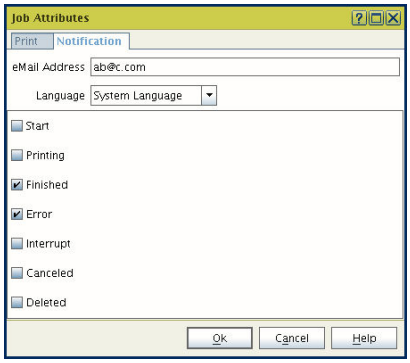
Introduction

Use this tab to configure the notification via an E-mail, if the job has a defined state. To use this function, you have to configure the access to an SMTP server on the System tab. The E-mail can also be sent as an SMS to a cellular phone.

This information is stored in the ticket at section "[job]" in the following format:
Active_Notification=.mailNotify <email-Address> <START|FINISHED|ERROR...>

An E-mail is sent for every specified status (blank separated). The email contains the following information as subject and as message information:
"<JOBID>: Job '<JOBNAME>' has reached status <STATUS>"

Illustration



Notification Settings

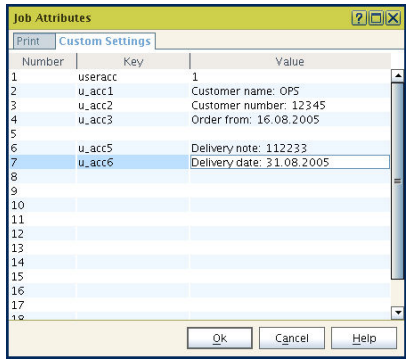
UI Element	Description
'eMail Address'	Receiver address of the e-mail.
'Language'	Default is "System", the system language of PRISMAproduction Server (as set in the system configuration). But you can also set another language for the notification messages, which may better suit the needs of your customer.
'Trigger on Status Change'	If the job enters a status marked, an e-mail will be sent to the address above.

'Job Attributes': 'Custom Settings'

Introduction

The **Custom Settings** tab is for other print job parameters which are not set on any of the other tabs (for example because they are user defined, or rarely used). You can use the tab to enter free form parameter names and values.

Illustration



Example:

The image above shows a use case where user defined information is added to the legacy accounting record 1032 which is always written for every job.
To write user accounting information in Rec 1032, the following has to be done:

For use with a POD or a APA job ticket an OCT (Océ Custom Ticket) must be created with at least one of the following sections:

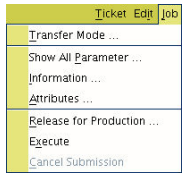
[job]
Job_Info1=u_acc1;job-usertext for acc1
Job_Info2=u_acc2;job-usertext for acc2
Job_Info3=u_acc3;job-usertext for acc3
... etc.
[files]
Info1=u_acc1;usertext for acc1 related to file 1
Info2=u_acc2;usertext for acc2 related to file 1
...etc
[files]
Info1=u_acc1;usertext for acc1 related to file 2
..etc until
Info6=u_acc6;usertext for acc6 related to file 2

PJM 'Job' Menu

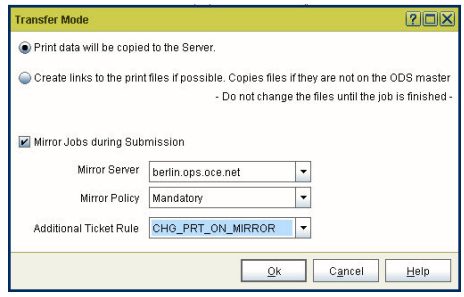
Introduction

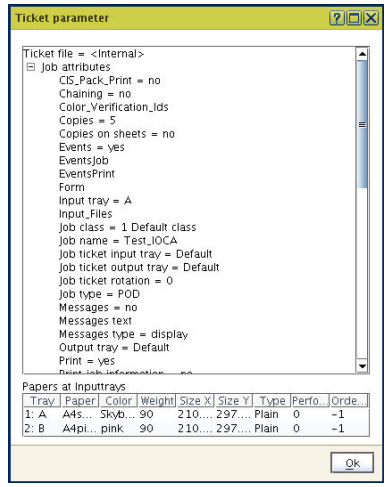
The items of this menu provide you with detailed information on printjobs and allow you to modify output settings as well as to submit printjobs.
Most of the functions are also accessible via the main toolbar of the PJM.

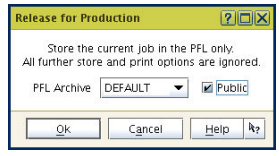
Illustration



Menu Entry	Description
'Transfer Mode ...'	

Menu Entry	Description
	Opens a dialog with the following options: 'Print data will be copied to the Server.' The print files are copied to the ODS Master. In this case they can exist two times. 'Create links to the print files if possible. Copies files if they are not on the ODS master''- Do not change the files until the job is finished -' If this option is selected, a link to the print files is created on the ODS master. This may be faster, but the files must not be changed, until the print job is finished.  'Mirror Jobs during Submission' For a detailed description of the mirror concept see the Administration Settings and Tasks Guide, chapter "Backup Solutions" -> "Mirror Print Jobs". Check this option, if you want the job to be created twice. Once on this server and also on a mirror server (2nd PRISMAproduction master). This provides a greater security because the job can be executed on the mirror system if the original system is not accessible. This function is license dependent. If this option is checked, the PJM toolbar displays "Mirroring" on the right hand side. 'Mirror Server': Select the mirror server, which is configured in the 'System Configuration'. 'Mirror Policy': ■ 'Default': Select this option if the setting in the 'System Configuration' should be valid. ■ 'Mandatory': If this option is selected, the system only creates the job if mirroring was successful. In other words, the job is created on both systems or it is not submitted at all. ■ 'Optional': In this case the system tries to mirror the job, but if this is not successful, the job will be created on the

Menu Entry	Description
	original server anyway. 'Ticket Rule': Select a Ticket Rule, which has been configured to modify the ticket of the mirrored job so that this job can be submitted on the mirror server. You can set this parameter in the 'System Configuration' and/or in the 'PJM' -> 'Transfer Mode'. The Ticket Rule, which is set in the 'System Configuration', is only applied if the Ticket Rule setting in the PJM is set to 'Default'. 'Force Mode': Usually a job is only transferred to the mirror server if the job is executable on this server. The 'Force Mode' option enforces the creation of the job on the mirror server. *Note:* Be aware that in this way jobs can be created which cannot be executed!
'Show All Parameter ...'	Click this option to display all the settings made for all the elements in a print job:  The table 'Papers at Inputtrays' only appears with a POD job with assigned print media. It will always be updated, which means that the table can be modified by each step of the converter or by the composer settings.

Menu Entry	Description
'Information ...'	Use this dialog box to enter details relating to the user ('User' tab) and recipient ('Receiver' tab). You can also enter unformatted data of any type on the 'Shipment' tab. The contents of the 'Account' field also appears in the accounting record. Here you can insert an information which makes it easier to identify the print job (for example the customer account id). In the current version of PJM, the input field permits entries to a maximum length of 1024 bytes. There is no length restriction for the data you enter on the 'Shipment' tab.
'Determine Requirements ...' (POD-Module only)	Opens a dialog which allows you to add job requirements to the job ticket, which can be displayed as information in the 'All Jobs' window. If no physical destination printer is defined in the job, the operator then has the possibility to route the job to the correct printer. For a detailed description of the 'Jobrequirements' feature and parameters see chapter "POD-Module Components" -> "Jobrequirement" in the PRISMAproduction Server Administration Settings and Tasks Guide.
'Attributes ...'	This menu item calls the dialog which you can also access in the window section 'Job Attributes'. The number of available tabs depends on the settings in this window section. Here you define, where the converted and/or composed data should be stored or how they should be printed. For details see *'Job Attributes: Overview'* on page 132.
'Release for Production ...' (POD-Module only)	This function allows you to release a job for production by storing the job in the 'Print File Library'. In this mode the option to store job tickets in the PFL is disabled in the 'Job Attributes' -> 'Store' dialog. 

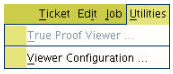
Menu Entry	Description
'Execute'	The 'Execute' command starts a print job for the job ticket currently displayed in the main PJM window, using the job name you have specified. When printing begins, the server assigns a unique eight-digit number to the print job. This job ID is displayed in the status bar on your workstation, together with a message to indicate how the task is progressing. An message is displayed if an error occurs. The job ID is also displayed in the 'All Jobs' window. You can check the status of a job in the 'All Jobs' application. If the option 'Operator Intervention' is activated in the general settings in the 'System Configuration' tool or if you select 'Hold job until operator confirmation' on the 'Message' tab in the 'Job Attributes' dialog, the print job gets the status 'exception - waiting for release' and will only be executed after you click '&Continue' in the job list.
'Cancel Submission'	You can cancel the submission of a job. This is possible as long as the PJM starts the job.

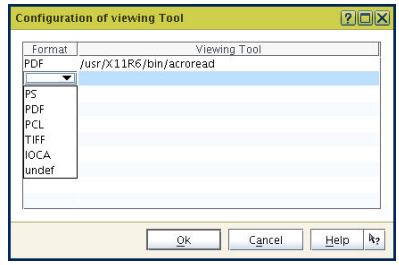
PJM 'Utilities' Menu

Introduction

This menu allows you to open the TrueProof Viewer (TrueProof must be installed in this case) and to configure other data viewers like Acrobat Reader.

Illustration



Menu Entry	Description
'True Proof Viewer ...'	If available, opens the TrueProof viewer to view documents. This tool allows an exact proof of the printout and can also be used for documents on an external Windows-Server.
'Viewer Configuration ...'	Allows you to configure a fitting viewer for every data format. This program is then used to display a file which is in the 'List of Files'.  'Format' Double clicking this column opens a list with file formats. Select one format, which you want to configure a viewer for. 'Viewing Tool' Double clicking this column opens a file selection box, which allows you to select the path to the desired program.

'Set Working Mode'

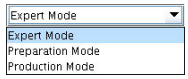
Introduction

PJM provides different working modes. Depending on the mode selected, certain functions are available or restricted. The working modes only allow task related modifications of job tickets.

The user administration within the PRISMAproduction Server Explorer allows to assign working modes as permissions to permission groups (see chapter "User Management" -> "User Permissions" in the PRISMAproduction Server Administration Settings and Tasks Guide).

Depending on the permission group, the user belongs to, different working modes can be used or are restricted to use. Users of the default permission group 'Operator' are only allowed to work in 'Production Mode'. All other default permission groups are allowed for all working modes.

Illustration



Working Mode	Description
'Production Mode' (Default permission group "Operator")	Users (operators) can only send completed jobs or reprints to the printer. The 'Print' function is turned on and 'Store' is turned off. If an empty ticket is loaded, the files which are placed in the 'List of Files' can be assigned the default values stored in the ticket. The 'List of Files'' cannot be modified if there are already files in the ticket. The following settings can be made in 'Production Mode': 'Job Name', 'Copies', 'Printer', 'Job Queue'

Working Mode	Description
'Preparation Mode'	At this authorization level users can prepare resources (for example for print jobs) for both the Composer and for reprints. Data is stored in the "Preprint" archive (POD-Module), in $TARGET with the APA-Module. The 'Print' and 'Header' functions can be set in this mode and can be saved with the job ticket but will not be executed on job submission. If the preparation in this mode is finished, the job can be released for production via the menu 'Job' -> 'Release for Production ...'. It is then transferred to a PFL.
'Expert Mode'	There are no restrictions at this authorization level.

PJM (Print Job Manager)

POD File Properties: Overview

Introduction

The file properties dialog in the PRISMAproduction Server POD-Module consists of up to 6 subdialogs to make your settings. The functions provided depend on the file format of the selected file(s).
The dialog opens if you double click on the selected file or if you click on the properties icon:

The default parameters are edited if you do not select a file. Files you subsequently place in the 'List of Files' are assigned these parameters.
If you select several files, the parameters you modify are applied to all the selected files, provided the parameters are actually supported by the file's format.

POD File Properties Tabs

The file formats which can be used with the POD-Module are described here: *'File Formats'* on page 128

Dependant on the file format the following tabs are available:

Tab	Description
'Collect'	This function generates a single file from a list of files. See *'POD File Properties: Collect'* on page 163.
'Compose'	With the 'Professional Document Composer' you can manipulate files so as to make optimum use of the paper format and sequence the pages on the printout to suit the type of binding that follows the printing process. For further details, refer to 'Professional Document Composer' manual. See *'POD File Properties: Compose'* on page 169.
'Media'	Defines the media settings for the conversion of the PS, PDF, TIFF and PCL file formats. There is no need to convert IOCA data, since this is a derivative of the AFPDS. Consequently, no **Convert** tab is shown when you choose the **File Properties** command. See *'POD File Properties: Media'* on page 173

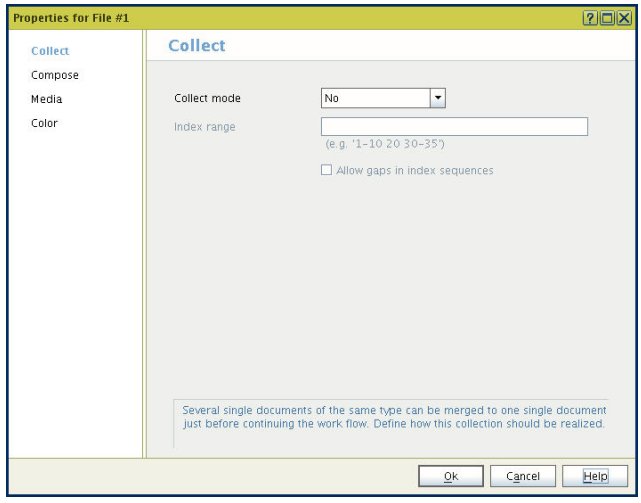
Tab	Description
'Halftone and Raster'	This function applies only to PostScript and PDF files. It enables you to set various parameters for manipulating the print image. See *'POD Flie Properties: Halftone and Raster'* on page 171.
'Color'	In this dialog select the method of color separation as well as the colors or color ranges which should be separated. See *'POD File Properties: Color Overview'* on page 175.
'Unity'	Here you can set additional Options for the conversion of PDF and PS files with the UnityRIP. See *'POD File Properties: Unity'* on page 183.
PCL Converter	Here you can set additional Options for the conversion of PCL files with the PCL converter.

POD File Properties: 'Collect'

Introduction

This function generates a single file from a list of files. You have to specify the mode you want to use, plus a page range. This function is useful for editing extensive lists of files of the same data format. The 'Collect mode' you can choose from is: 'Masked', 'Left index', 'Right index' or 'Directory'.
You also have to select a file from the **Add files** dialog box and add it to the 'List of Files'. This file serves as a template (or sample) for the list. Once you have selected a template, you have to specify the mode. The modes are described below. Next, specify the page ranges you want to include in the list. Finally, you can check the 'Allow gaps in index sequences' toggle button, which allows gaps with the options 'Masked', 'Left index' and 'Right index'.

Illustration



'Index range'

This value specifies the page range that you want to collect. The table below explains the options you can choose from:

'Index range'	Description
3-17	Begins collecting on page 3 and finishes after completion of page 17.

'Index range'	Description
1 7 4	Begins collecting on page 1, continues on page 7 and finishes on page 4.
3-17 4 1-2 22	Begins collecting on page 3 to 17, continues on page 4, then on pages 1 - 2 and finishes on page 22.

As is clear from these examples, you can enter multiple page ranges by separating them with blanks. The only restriction is that the sequence of combinations must not exceed 255 characters. If you omit a page range, the Collector begins with the lowest sequence of numbers it encounters in the directories, and adds files until it reaches the highest sequence. The results depend on what Collect mode you have selected, and whether you have checked the "Allow gaps in indices" option. Examples of how to use the collecting function are given later in this section.

'Allow gaps in index sequences'

You set this option in order to permit collecting of a sequence of numbers even when there are gaps in the sequence. Per default the setting is not activated. With this setting, the Collector can only collect an uninterrupted sequence of numbers: it stops if it encounters a gap in the sequence number (for example 005 follows 003, and 004 is missing). If the option is enabled, the Collector ignores any gaps in the sequence and continues collecting until it has completed the specified page ranges. Enabling the option has no effect if you have only specified individual pages or combinations of pages (no from-to sequence) in the page range.

Note:
Be careful with this function. If you do use it, you must know which files you have stored in the directory – otherwise the results might not be what you intended.

'Collect mode'

You can choose from four modes for collecting files:

'No'

This setting deactivates collecting mode.

'Masked'

This mode requires a filter (the file you select in the **Add files** dialog box serves as the filter). The non-numeric characters in the file name are used as a filter for selecting the files. The numeric characters are used to build the sequence. Therefore, it is not possible to use multiple number blocks in the same filter (such as 032Test003.TIF). Examples of how to use the mask function:

Example 1:

Selected file (serves as input form)	Index Range	Gaps	File selection list
Testoo3.TIF	no range	Disabled	Testooo.TIF Testoo1.TIF Testoo2.TIF : Continues until sequence is interrupted.

The Collector begins with file Testooo.TIF and then selects the next file in the numeric sequence (Testoo1.TIF). The selection continues until the Collector is unable to locate a subsequent numeric sequence. It then stops.

Note:
The Collector does not necessarily start with the file Testooo.TIF. It searches for the first file that matches the filter (since no page ranges have been specified). For example, if the first occurrence of the filter is the file Testoo5.TIF, the Collector begins with this file. Otherwise, the files are collected as described above.

The second example is the same as the first, but we have now activated the 'Gaps' option:

Example 2:

Selected file (serves as input form)	Index Range	Gaps	File selection list
Testoo3.TIF	no range	Enabled	Testooo.TIF Testoo1.TIF Testoo2.TIF Testoo4.TIF : Collects all files with the pattern 'Test###.TIF' in the directory, even if there are gaps in the sequence (e.g. 'Testoo3.TIF' does not exist). *Note:* # stands for a digit.

If the 'Allow gaps in index sequences' checkbox is enabled, all files that match the filter are collected. The files do not need to be in sequence, because gaps are allowed. The Collector just skips any gaps it encounters.
The third example illustrates how to use the **Range** parameter:

Example 3:

Selected file (serves as input form)	Index Range	Gaps	File selection list
Testoo3.TIF	3-17 4 1-2 22	Disabled	Testoo3.TIF : Testo17.TIF Testoo4.TIF Testoo1.TIF Testoo2.TIF Testo22.TIF

This example is self-explanatory. The only point to note is that all the files you specify as being part of the range must actually exist – if any are missing, an error message will be displayed. With the **no Range** parameter, on the other hand, the Collector continues

collecting until it has found the last file in the sequence. If you want to permit gaps in the sequence, enable the 'Allow gaps in index sequences' option. When the option is enabled, gaps are permitted in the sequence 3-17 shown above.

'Left index'

In this mode, only the numeric block on the left side of the file name is used as a filter for selecting files for the Collect function. Any characters can appear to the right of the numeric block – they have no impact on the selection. The numeric block comprises a fixed number of digits (for example three digits '004'). To match the filter, a file name must have the same number of digits in its numeric block as specified in the numeric block of the filter. The **Range** and **Gaps** parameters function in the same way as in the previous examples:

Selected file	Index Range	Gaps	File selection list
004test	3-17 4 1-2 22	Disabled	003xxxxx 004test : 017xxxxxxxxx 004xxxx 001xxxx 002xxx 022xxx x stands for any character. Not permitted: 03xx, 0004xx, etc. (since the number of digits is not identical).

To sum up: all numeric sequences must have the same number of digits (sequences 03xx and 0004xxx would not be allowed for the above example). In this mode, the numeric block on the left side of the file name is the only filter criterion for generating a list.

'Right index'

This mode is similar to 'Left index'. The differences are that the numeric block has to be on the right side of the file name. In this mode, the numeric block need not have the same number of digits as the numeric block in the filter. The names still match even if the number of digits is different. For example, 003 and 0004 may both be used, since the leading zeroes are truncated. The **Range** and **Gaps** parameters function in the same way as in the previous examples. The table below gives an example

Selected file	Index Range	Gaps	File selection list
Test004	3-17 4 1-2 22	Disabled	xxx003 test004 : xxxx017 xxx004 xxx01 xxxx002 xxx22 x stands for any character. Not permitted: xx01, xxx0001 in the same directory.

In this mode, the numeric block on the right side of the file name is the only filter criterion for generating a list. As the example illustrates, the numeric sequences can consist of blocks of various numbers of digits. In other words: the length of the numeric block can vary, but it must always result in a unique number. For example, xx003 becomes 3 and xxx00002 becomes 2. Truncation of the leading zeroes results in unique numbers. It is not possible to have two files with numeric blocks such as xx0001 and xxxx000001 in the same directory, because truncation of the leading zeroes results in the number 1 in both cases.

'Directory'

Use this mode to collect files on the basis of their position in a given directory. Select a file in the directory and specify a value for the 'Range' parameter. The 'Range' values do not define a filter – instead, they define the file's position in the directory. The 'Range' and 'Gaps' parameters function in the same way as in the previous examples. The following example illustrates how this mode works:

Selected file	Index Range	Gaps	File selection list
Test.OPS	3-17 22	Disabled	File 3-17 are collected first, followed by file 22.

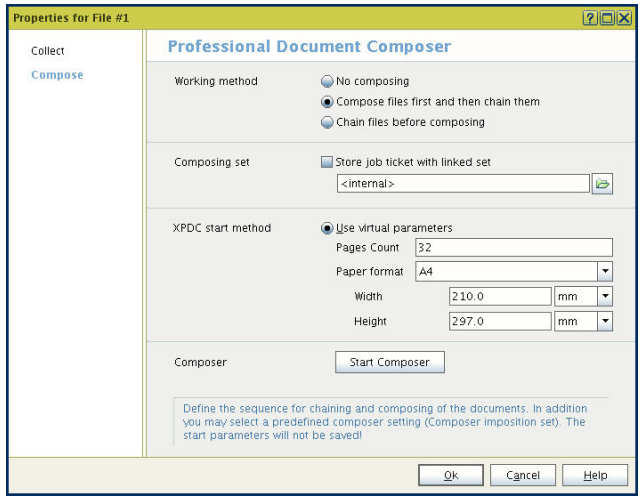
Note:
If you use this mode, you must know exactly which files are at which position in the directory – otherwise the results might not be what you intended. The files are sorted lexically like with the UNIX/LINUX "ls" command.

POD File Properties: 'Compose'

Introduction

With the 'Professional Document Composer' you can manipulate files so as to make optimum use of the paper format and sequence the pages on the printout to suit the type of binding that follows the printing process. For further details, refer to the 'Professional Document Composer' chapter.

Illustration



UI Element	Description
'No composing'	When the toggle button is turned on, no actions are performed to manipulate the files. The settings made when the file was created remain valid.
'Compose files first and then chain them'	The selected files are processed by the Composer before they are chained to create the print file. Empty pages which are generated during the Composer process at the end of the single files are preserved.
'Chain files before composing'	All the files in the job are processed by the Composer after they have been chained to create the print file. Empty pages between the single files may be lost with this option. You can select this command only if all files in the 'List of Files' are marked.

UI Element	Description
'Composing set'	The selected files are manipulated by a parameter set that you open in a file selection box. 'Store job ticket with linked set'. When this option is turned on, the job ticket is saved with a reference to a specific composer set. This ensures the job will always be printed with the current contents of this set. When the option is turned off, the contents of the selected set are copied into the job ticket.
'Start Composer'	The button 'Start Composer' opens the 'Professional Document Composer'. The main elements of the 'Professional Document Composer' are the fields **Integrate**, **Impose** and **Assemble**. The field **Integrate** contains all "logical operations", this means all those functions that manipulate the print file on the logical page level prior to the actual imposition. This includes the insertion and deletion of pages, page cropping, and the insertion of overlays and of variable data. Once prepared in this manner, the file can then be imposed, this means the page sequence and page layout can be changed. The corresponding settings are selected in the **Impose** field. The field **Assemble** provides the means of processing the output resulting from "Integrate" and "Impose" on the physical page level. "Assemble" functions include the moving of logical pages on the physical sheet and the insertion of blank sheets and marks.

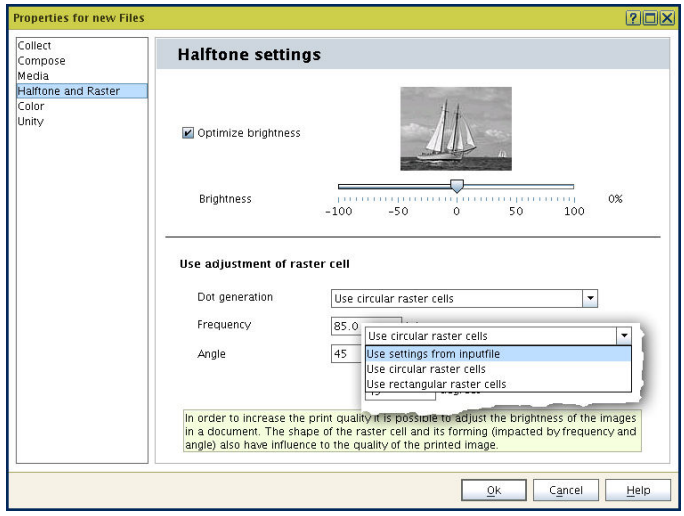
POD Flie Properties: 'Halftone and Raster'

Introduction

This function is available for black and white images in PostScript and PDF files only. It enables you to set various parameters for manipulating the print image.

Attention:
Exercise extreme caution with this option – you may restrict the PostScript command set. The quality of the output could be impaired, and the converters may not function correctly.

Illustration



UI Element	Description
'Optimize brightness'	Use this option to optimize gray shades. If you do not check the option, the printer's reference values will be used. If you check the option, a special set of grays will be used which is custom-defined for optimum results on our printing systems. You can also modify the brightness: enter a positive value to increase the brightness, and a negative value to reduce it.

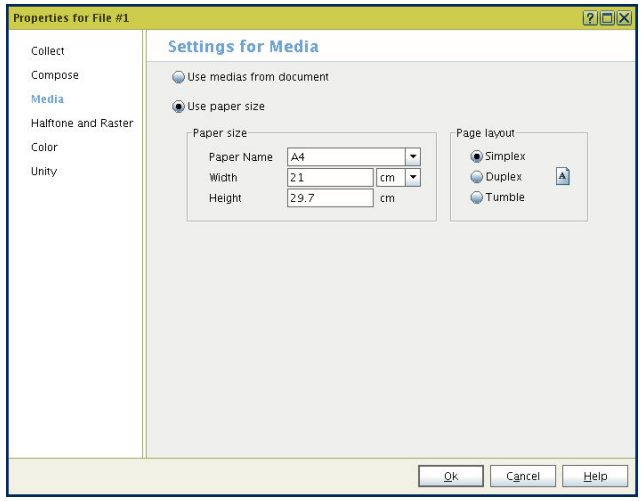
UI Element	Description
'Use adjustment of raster cell'	Use these options to set the shape of the raster cells, the screen angle and frequency. Changing these values has a considerable impact on the appearance of the printout. You can use this feature to create special effects.
'Dot generation'	'Use settings from inputfile': Uses the values for the raster frequency and angle which are coded in the input file. 'Use circular raster cells': Allows to set frequency and angle values individually. 'Use rectangular raster cells': Allows you to adjust the frequency value.
'Frequency'	Changing these values has a considerable impact on the way gray shades are printed. The default setting is 85.0 lpi (lines per inch). The higher the value, the more fine is the resolution of gray raster patterns.
'Angle'	The default settings is 45.0° (degrees). The angle of the lines can have a considerable impact on the printout.

POD File Properties: 'Media'

Introduction

You can use this window to indicate the basic settings for the media requirements for the 'Unity'-, PCL- or TIFF converter (depends on the input data format).

Illustration



Basic Converter Settings

UI Element	Description
'Page layout'	The converters can process files for simplex, duplex and tumble duplex output. Use this option to define the mode. **Note**: The media mode you select here will overwrite the mode specified in the file.

Conversion of the Media Requirements

There are two possibilities for the conversion of the media requirements in the output file:

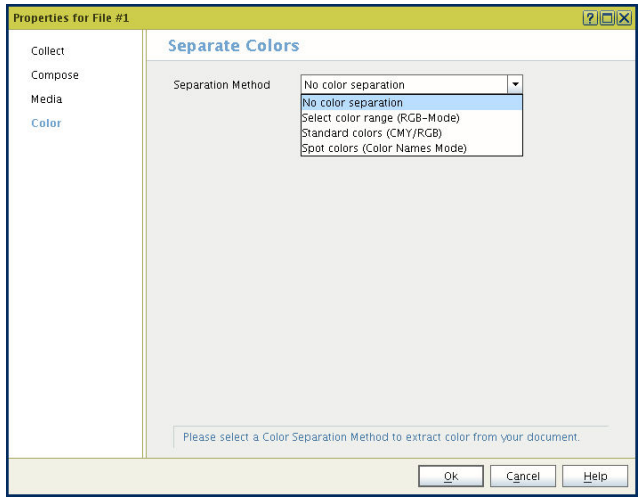
UI Element	Description
'Use medias from document'	Since all relevant information concerning input media and finishing requirements may be concealed within the data stream of the input files, the converters have been enhanced to translate these commands into corresponding AFPDS commands. The document will be scanned for example for PostScript input media requirements and transferred into AFPDS media selection requirements commands. In case of a PS file the following PostScript "setpagedevice" parameters will be honored: ■ /PagesSize (mandatory) ■ /MediaWeight ■ /MediaColor ■ /MediaType For **MediaTypes** and **MediaColors**, for which no predefined equivalent can be found, an AFPDS custom media attribute extension will be generated. This will not be interpreted by older SPS versions and will generate an error. As long as only predefined values are used it is possible to use the new UnityRIP with PRISMAproduction Server versions < V3.02.18. **Note**: PageSizes which are specified in a landscape format in PostScript will be handled in a special way. If a layout of duplex is encountered it will be changed to tumble to provide the correct output. In case of a requesting tumble within PostScript duplex output will be generated.
'Use paper size'	Use this parameter to define the physical page size. Click the 'Paper Name' field to display a list of the valid paper formats. You can also select a variable format. Do this by entering the 'Width' and 'Height' dimensions in "inch" or in "cm". **Note**: If you are using the Composer to manipulate the output, make sure the paper size you select matches the size set in the Composer.

POD File Properties: 'Color' Overview

Introduction

Use this tab to separate colors in the input document.

Illustration



'Separation Method '

Depending on the color spaces used in the input documents, the following three separation methods can be used:

'Select color range (RGB-Mode)'	'Standard colors (CMY/RGB)'	'Spot colors (Color Names Mode)'
See *'POD File Properties: Select color range (RGB-Mode)'* on page 176.	See *'POD File Properties: Standard colors (CMY/RGB)'* on page 180.	See *'POD File Properties: Spot colors (Color Names Mode)'* on page 181.

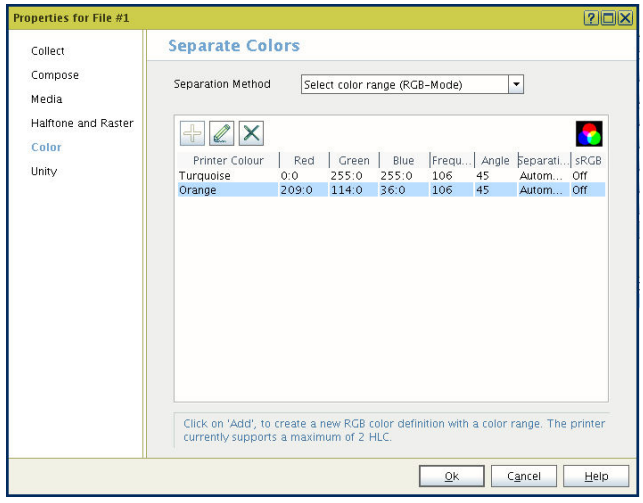
For further information on color in PS or PDF files see chapter "UnityRIP Module and Color Separation" in the PRISMAproduction Server Administrattion Settings and Tasks Guide.

POD File Properties: 'Select color range (RGB-Mode)'

Introduction

It is supposed that the color information of the file, which should be separated, are exclusively or mainly defined in the RGB color space. The values of the RGB colors to be extracted should be known as accurate as possible. Otherwise you can use different utilities (for example Plug ins for Adobe Acrobat) to receive the necessary information.
For example, if the document contains logos as scanned images, the color values may not be detected clearly. Instead of that they consist of many different intensities of the same color and can only be described almost exactly by a color range.

Illustration



Selection of the RGB-Color Range

There are two possible ways how the values can be stored in the job ticket. The first version is compatible to the existing PJM ticket, the second version is open for the new possibilities of the 3/3 functionality:

- Basically the color values, the tolerances and the additional options are stored in a list. If only one color is added to the list, the old method for the storage of the color values in the list will be used. In this case, the single values are stated as "Key - Value" combinations.
  Example:
  SpotColor = 1
  SpotColorAngel = 45

SpotColorBlue = 255
SpotColorTol = 50
SpotColorGreen = 169
...
...

- If there is more than one list entry (currently only two entries are possible), a new key, which contains all values, will be generated for every line.
  Example:
  HLC1 = 105:30:169:25:255:50:106:45:Turquoise:0:0;
  HLC2 = 255:30:211:25:70:50:106:45:Orange:0:1;

The values are an abstract of the list entries. The figure before the last figure defines the way the separation is performed ('Represent separation as'):

0	'Automatic': Automatic detection of objects (image or graphic). Images are rasterized, graphics are not rasterized unless they consist of gray scales.
5	'Halftone raster': All objects will be rasterized.
9	'Solid fill': All objects will be extracted as full color objects.

The last figure defines if the RIP interprets the detected color as sRGB color ('Interpret as sRGB color'):

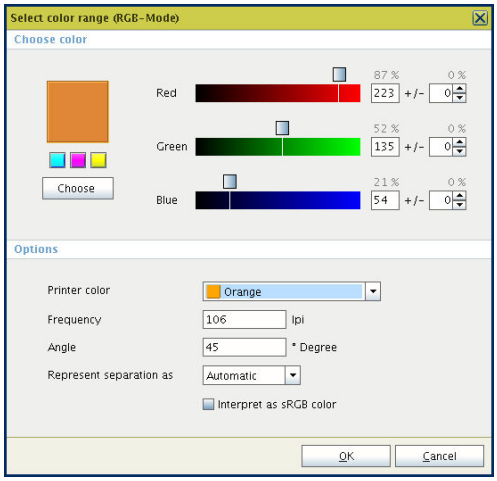
0	Activated
1	Deactivated

sRGB represents a color space, which has been developed to display colors on digital monitors. A "Color management Module", which is part of the operating system, enables the display of the same image on different hardware devices. Unfortunately many applications use this reduced color space when saving or printing documents. This may produce unwanted effects in connection with high quality printouts.

Note:
If you select a sRGB color for the separation, it is recommended to set the tolerances 3 to 4 times higher as for RGB colors commonly used in the graphical industry.

'Select Color Range (RGB-Mode)' Dialog

If you click the "Add" button: ✚, the following dialog opens:



Use the slider buttons in the upper section 'Choose color ' to mix an individual color, which is displayed in the square on the left side. In this section you can also define the tolerances, which enlarge the extent of the basic color. The values are also indicated as percent, which makes it easier to find the correct settings. Additionally the selected range is visualized on the color bars.

The following settings can be performed in the lower 'Options ' section:

UI Element	Description
'Printer color'	Defines the OCA color code, which specifies how the selected color is indicated in the resulting AFP data stream as color for the printer.
'Frequency'	Raster frequency. Indicates the number of lines per inch. With higher values less gray shades can be displayed, because the square for the generation of the raster point gets smaller the more lines are used. On the other hand with a lower value more gray shades can be displayed. In this case the raster dots are bigger and the image appears more coarse grained.
'Angle'	Indicates the angle of the raster lines in relation to the vertical axis. The angle increases clockwise. Select an angle between 0° and 90° in steps of 7,5°.

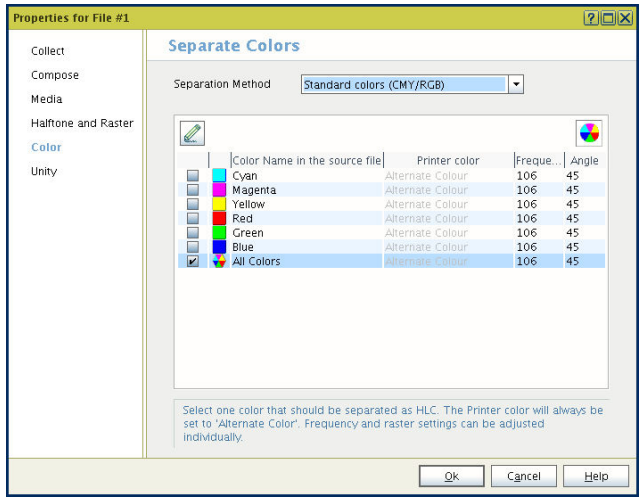
UI Element	Description
'Represent separation as'	'Automatic': Depending on the object type detected, the objects will either be rastered (mostly with images) or will be output as full color (text and graphics). 'Halftone raster': All objects are treated as images and are therefore rasterized. 'Solid fill': All objects are treated as full color graphics and are accordingly output as full color. Interpret as sRGB color: If the PS/PDF documents to be ripped contain sRGB colors (for example if the document comes from the MS-Office environment), this box should be checked to ensure that the sRGB color space is separated.

POD File Properties: 'Standard colors (CMY/RGB)'

Introduction

This separation method enables you to select one process color (Cyan, Magenta, Yellow) or one basic screen color (Red, Green, Blue) as color separation:

Illustration



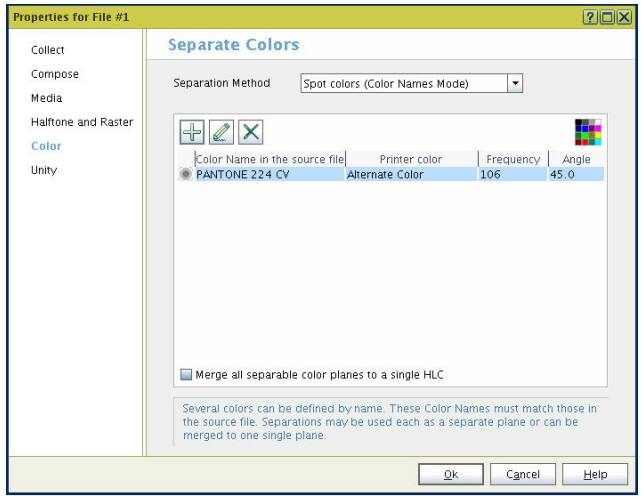
You have to take care of the following: Process colors (C, M, Y) are extracted using the so called "InRip-Separation". This means, the RIP has the basic ability to extract the colors , which are commonly used in the normal print process and separate them without any further parameters.
RGB colors are no process colors and can therefore not be addressed by the InRIP function! A new function has been developed to also select these basic colors as HLC.
Because the separation functions of CMY and RGB are incompatible, it is also not possible to combine two such colors for 3/3 printing. Therefore the selection is limited to one color.
For documents, which contain mixed color data (for example Cyan and Red), you have the possibility to extract both colors and to use them as one single HLC. This is also realized with a special function (select **All Colors** in the list), because of the incompatibility. At the moment there is no possibility to set the printer color individually. **Alternate Color** is always used to code the colors. Raster frequency and angle can be modified.

POD File Properties: 'Spot colors (Color Names Mode)'

Introduction

The selection of spot colors, which are normally addressed by a color name, the possibilities to separate colors for 3/3 printing are extended. But this implies a proper preparation of the data. The colors to be separated have to be defined in the PS/PDF files as "spotcolor" with a unique name. Most commonly known are the names of PANTONE and HKS.

Illustration



Examples: "PANTONE 5-1 Process", "PANTONE 116 CVC", "PANTONE 109 CVP", "HKS 6 K", "HKS 7 Z", etc.
There are also other color systems, which can be used in the same way (for example ANPA Color, FOCOLTONE, TOYO, TRUEMATCH and so on).

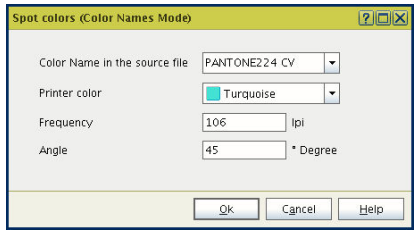
Additionally common software products in the market like Adobe InDesign or InDesign CS allow the definition and usage of user defined color names as spotcolors.

Example: "my_cyan", "my_blue", "oce-red", …

Note:
Process colors (Cyan, Magenta and Yellow) can also be addressed as spotcolors using their color name (consider the correct spelling).

During the RIP process a spot color is identified by its name. Therefore this name must be known and has to be added to the parameter list exactly and completely. You have to

take care for the correct spelling including blanks. Using this method, printer color, frequency and angle can be set individually.



'Merge all separable color planes to a single HLC'

This is an additional function which includes many possibilities also for 2/2 printing.

Note:
Only the colors (and Black), which are set in this window are extracted.

Example: A document contains the colors PANTONE 256 CV, Cyan, Magenta, and ocered. The colors PANTONE and ocered are to be extracted. Cyan and Magenta will be ignored! They will not be added to the black image! Only Black, PANTONE and ocered are output.

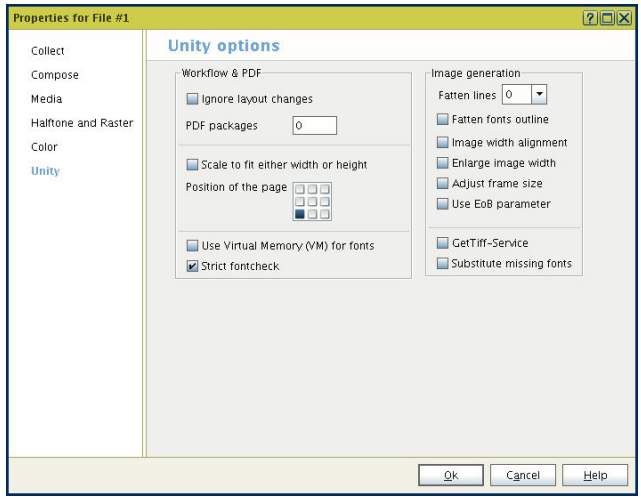
POD File Properties: 'Unity'

Introduction

Using this tab you can define additional options for the 'Unity'.

Note:
For a detailed description of the 'Unity' see chapter "Unity" in the PRISMAproduction Server Administration and Tasks Guide.

Illustration



'Workflow & PDF'

UI Element	Description
'Ignore layout changes'	Default: ON. Ignores all changes in the layout of a PostScript file.
'PDF packages'	Default: 50 The value defines how many pages of a PDF document the Unity internally converts to PostScript, before these are interpreted. All values greater than "0" are allowed. "0" deactivates the packaging option.

UI Element	Description
'Scale to fit either width or height'	This parameter allows you to scale the original PDF pages to match the format of the requested page size as defined in the 'Media' tab. Hereby the page will be enlarged or shrunk until it reaches either the height or the width of the requested page size. This parameter can be used alone or in conjunction with the 'Position of the page' parameter. The scaled page can be positioned within the target page size. This is for example necessary if you like to scale a letter sized PDF page into a DIN A4 target size paper. See also *'Workflow for scaling PDF files'* on page 235.
'Position of the page'	This parameter allows you to link the original PDF pages to 1 out of 9 possible positions of the requested page size as defined in the 'Media' tab. The default enforces no positioning which means that all pages will be linked to the PostScript origin. See also *'Workflow for scaling PDF files'* on page 235.
'Use Virtual Memory (VM) for fonts'	Default: false This parameter controls the treatment of fonts which are embedded in the PDF document: If this parameter is true, the library emits the PostScript font program for the font incrementally on a per-glyph basis. If this parameter is false, the library emits the whole font at the beginning of file, which may use up all the available virtual memory.
'Strict fontcheck'	Enables the check for Multiple Master Fonts in the PDF document. If you have problems when converting and printing PDFs, it is adviced to switch this function off.

'Image generation'

UI Element	Description
'Fatten lines'	Default: 0 Fattens very thin lines between 0 and 3 pixels. This option also applies to fonts.
'Fatten fonts outline'	With outline fonts, fattens the contour lines of these fonts.

UI Element	Description
'Image width alignment'	Default: OFF Creates an image width, which corresponds to the next smaller multiple of 8 pixels of the desired page width (8 bit Alignment). Usually the system rounds down to a multiple of 32 pixels. This function is very time consuming.
'Enlarge image width '	Default: OFF Creates an image, which is wider than the page. The image width will be enlarged to the next higher multiple of 32 pixels of the desired page width. This setting may lead to PEMs (PageErrorMarks).
'Adjust frame size'	Default: OFF Adjusts the AFP frame to the size of the image.
'Use EoB parameter'	The EoB parameter is needed for PostScript files, which contain incorrect CCITT4 compressed TIFF images. Character and contents of these files are defined by special parameters. Among them are the number of rows and columns and the information if an **End of Block** mark exists, which defines the end of data in the PostScript file. Usually this marker represents the last row and the last column of the image. To save memory some applications write the EoB parameter already on a position, after which no more image information is expected. If Unity meets while ripping such an EoB flag ahead of time or if it is missing by mistake, a correct output cannot be verified and the program stops with an error message. If the 'Use EoB parameter' function is activated, the RIP is advised to complete the image with the 'missing' pixels on it's own and to adjust or ignore the gap between header info and EoB flag. **Note**: This function must not be set by default, because correctly embedded TIFFs need this parameter obligatorily.
'GetTiff-Service'	Activates the 'GetTiff-Service' (license dependent). Typically this functionality is used in conjunction with PostScript forms using a defined set of TIFF images as forms and being used multiple times within a document. It then enhances the performance of the conversion. See chapter "Unity" -> "GetTiffService Integration" in the PRISMAproduction Server Administration Settings and Tasks Guide.

UI Element	Description
'Substitute missing fonts ' (PS/PDF/PCL)	Setting this parameter causes the converter to use a default font in place of any fonts that are missing. It merely issues a warning to tell you that this has been done. If this parameter is turned off, processing aborts with an error message. This function is available for the 'Unity' (PDF+PS) and PCL Converters only.

Enhanced Functionality of the 'Unity'

Since all relevant information concerning input media and finishing requirements are concealed within the PostScript data stream, the 'Unity' has been enhanced to translate PostScript finishing commands into corresponding AFPDS commands. The UP3I extension to AFPDS (MFC) has been chosen to function as a common interface to the adjacent backend modules (ipds-, ps- and xrx-backend). If this functionality is used, the subsequent use of the Professional Document Composer may discard all added information by the 'Unity'.

In general the 'Unity' generates portrait afpds pages no matter whether the input media selection specifies landscape or portrait. The 'Unity' is not a cropping tool though it may sometimes work if you specify a smaller page size than the original PS/PDF document requires. The origin of the page is the lower left corner.

PJM (Print Job Manager)

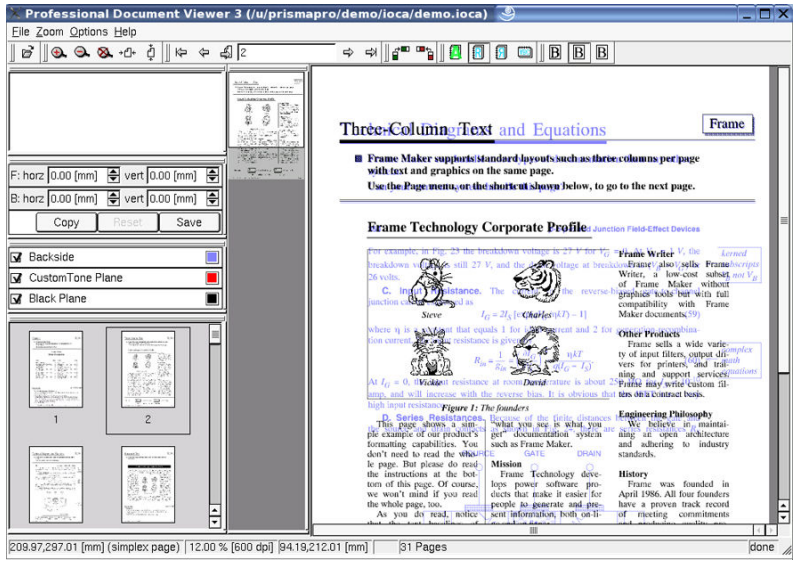
Professional Document Viewer 3

Introduction

The **Professional Document Viewer 3** opens by default, if you want to view a document in the IOCA or TIFF format under PRISMAproduction. Currently supported document types on the PRISMAproduction Server Linux platform is:

AFP/IOCA: a subset of AFP documents; limited to IOCA and BCOCA objects. Typical use is in the PRISMA+POD environment. **TIFF** files can also be viewed.

Illustration



Main Window

The main window consists of four different areas: **page area**, **thumbnail area**, **navigator area** and a **menu** and **toolbar**.

Window Area	Description
Page area	The page area displays the page contents. The visual appearance of the page contents is affected by a number of options: The scrollbars, and, if supported by your mouse and your operating system, by the mouse wheel, can be used to move around in the current page. In addition, you can move around in the page by left-dragging the page contents. To zoom in the page use the right mouse button to select the area you are interested in. To zoom out again click right in the area.
Thumbnail area	The thumbnail area contains small images ("thumbnails") of the document pages. This way you can easily have an oversight over the document's contents. You can scroll through the document by means of the scrollbar. To bring a page of the document to display you simply have to double click the pages thumbnail. The thumbnail area is a docked window. That means you can dock the window in and undock it from the viewer window. *Note:* Whether or not the thumbnails do contain visual contents can be changed in the Thumbnail Options dialog. This dialog allows you to define the thumbnails' size as well.
Navigator area	The navigator area contains a small overview over the current page. It can be used to move around on the page, which is especially useful when working zoomed in the page. To move to a certain area in the page, click on the area in the navigator view. The page display will then move to this area.

Using docking windows

The Thumbnail Area, the Navigator Area, and the several Toolbar sections are implemented as so-called dockable windows. These are windows that can be, and by default are, docked in the main application. However, one can undock these windows by dragging

the window handle (which is on top or left of the window) out of the application window. To dock the window again, drop the window on the left or top side of the main window. By right-clicking in the toolbar or the navigator area these windows can be switched on or off:

Menu and Tool Bar Functions

File Menu

Menu Item	Description
Open File...	Opens a file selection box.
Export to Postscript	Converts the file to PostScript and saves it under a user defined name in the selected directory.
Export to PDF	Converts the file to PDF and saves it under a user defined name in the selected directory.
Exit	Exits the program.
Print Current Page	Prints the current page on the connected default printer.
Recently viewed Files	Displays a list of the files you have recently opened. You can easily reopen the file by clicking on it.

Zoom Menu

Menu Item	Description
Normal (100%)	This view corresponds to the original presentation of a document (one pixel on the screen is one pixel in the page).
Fit into Window	The view of the document is scaled up or down so that it fits into the main window both horizontally and vertically.
5% - 800%	Options for zooming up (one step doubles the zoom factor) or down for an overall or detailed view of the print file.

Options Menu

Menu Item	Description
Toggle Linecross	Allows you to switch on and off the line cross.
Units: pels	When this toggle button is on, pels will be used as the unit of measure.
Units: mm	When this toggle button is on, millimeters will be used as the unit of measure.
Units: inch	When this toggle button is on, inches will be used as the unit of measure.
Thumbnail Options...	In this dialog the user can change some settings regarding the display of thumbnails: If the "Display Thumbnails" box is checked the thumbnail contents will be displayed, otherwise only white pages will be shown. Using the "Adjust Thumbnail Size" slider one can change the size of the thumbnails in the display. The image above provides a preview of these settings.
No, Light and Strong Antialiasing	The Professional Document Viewer features a technology known as Antialiasing to improve image quality when displaying pages with a zoom less than 100%. This setting can be made in the toolbar or in the Options menu. Whilst antialiasing may greatly enhance the quality of the displayed page, this process consumes much more memory and processor resources than non-antialiased viewing, and is somewhat slower, which could make the viewer less responsive. Therefore one should decide which setting to use with this in mind.

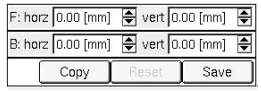
Help Menu

Menu Item	Description
Contents	Opens the PDV3 help.
About...	Displays version info on PDV3.
About Modules...	Opens a list with path and version of the installed PDV3-Modules.

Tool Bar Buttons

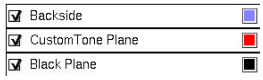
These buttons let you select a page for display. The two buttons on the left activate the first or the previous page, while the two buttons on the right activate the next or the last page of the document. The text area lets you directly specify the page number to view. By pressing the third button you can easily select the page graphically.
Remember that a page can be selected in the **thumbnail view** as well.

Offset



You can use these controls to shift the print image on the front and/or back side. If the document does not define front and backpages, the upper row (F:) defines the values for the odd pages and the row below (B:) defines the values for all even pages. You can save the settings as an impositioning set for reuse.

Color Selection



These buttons have a visual effect only when viewing documents with Custom Tone (sometimes called "Spot Color" or "Highlight Color") layers or which have been printed in duplex mode. The checkboxes on the left enable or disable the respective layer. By clicking on the small color areas one can define the color used for that specific layer. By using the buttons on the right side the order of the layers can be changed: A dot which is colored on top layer always overwrites a colored dot in the same position on the bottom layer.

Translucent Pages

These buttons can be used to enable or disable translucent pages. When enabled, you see not only the current page, but the backside of the page as well, displayed in a blue or user defined color.
However, the visual appearance of this changes depends on whether the document viewed is to be printed top to down or left to right. As most import modules do not support such information the user must set the correct mode by himself. This can be done by the "Duplex" and the "Tumble" setting.
To provide the same features for single sided papers a "Simplex" setting was added, which lets you "look through" the current page on the next one in your document.

Status Bar

The status bar provides the following information:

- Coordinates of the mouse pointer on the current page, measured from the left and top page margins
- Zoom setting
- Total page count

'Printer Pool'

'Printer Pool': Overview

Introduction

The 'Printer Pool' entry in PRISMAproduction Server 'Explorer' opens a window containing all the administration functions for the printers configured in the system. Here it is possible to control all printers of a PRISMAproduction Server cluster in a single window, even if they are physically connected to different print servers.

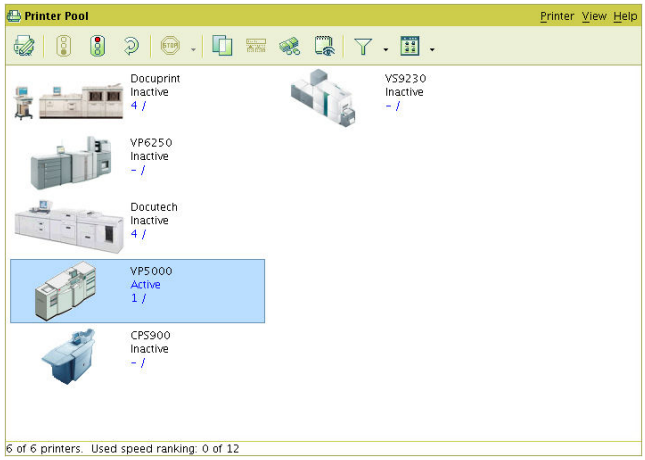
Available operations:

- Activate and stop printers
- Adjust parameters for job selection on each printer like assigning job queues to printers (see also *'Printer Pool: Printer Settings'* on page 201
- Set the NPRO time (the time after which the last page printed is to be ejected)
- Interrupt, cancel and delete a running print job
- View printer dependent messages.

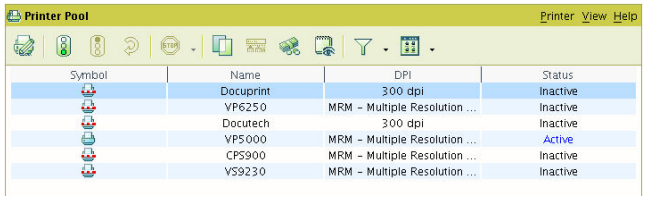
The Administrator window consists of the **title bar**, **tool bar**, **menu bar**, **client area** and a **status bar**.

Clicking the 'Toggle View' icon you can switch between 'Table view' and 'Symbol view':

Illustration



[202] Printer Pool Symbol View



[203] Printer Pool Table View

Printer Pool Window

The **title bar** along the top of the window contains the window name (Printer Pool).

The **client area** contains printer-specific information in 2 different views:

Symbol view displays each printer as symbol for 130x70 pixels size with information on the right side of the symbol:

- Printer name
- Printer status
- Active form name and id of the printing job.
- The tooltip contains additionally: hostname, printer model, resolution, supported datatype, name of the printer driver.

Table view shows all printers in a table. The columns of the table are configurable by clicking on the header of a column. Information displayed in 'Table view':

- Printer status (PS) as a symbol column and a separate text column (processing, not ready, active, inactive, message, halted, ...)
- Printer name (Name)
- Printer model (Model)
- Printer Resolution (DPI)
- Supported datatype (Data-Format)
- Id of the printing job (Job-Id)
- Active Form name (Form)
- Active job queue(s) (Job-Queue)
- Printer status (Status) in text form, corresponds to the printer status symbol

If you click the right mouse button, you can select the following additional columns to be displayed:

- Hostname (Server)
- Continuous forms or Cutsheet printer (Printertype)
- Printer driver (Driver)
- Printer speed (Speed)
- Toner colors installed on the printer (Colors)
- Printer autostart status (Autostart)
- NPRO time value (Timeout)
- Operator

The **status bar** displays the number of printers and the used and licensed speed ranking of the 'PRISMAproduction 3.0' license.

Before you can execute a command, you must select a printer by clicking on a symbol or on a row in the table.

The **menu bar** contains the menus "Printer", "View" and "Help".

Status Info

Possible printer status infos (including the displayed colors)

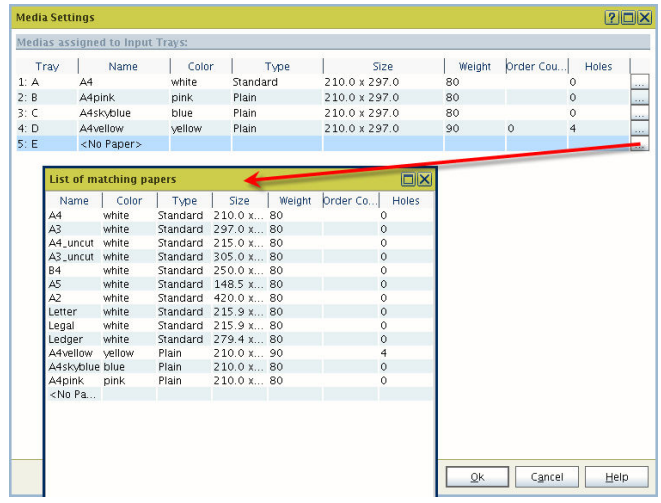
Status	Description
Active (blue)	Printer is active but prints no job.
Spool inactive (red)	Spool is down and can be activated in printer configuration.
Spool halted (red)	Spool is temporarily inactive and will be active, as soon the database becomes ready again.

Status	Description
Draining (yellow)	Printer is draining.
Starting (yellow)	Printer is starting.
Error (red)	Printer detected an error.
Inactive (black)	Printer is inactive, but ready to be started.
License (red)	Printer is waiting on a free PRISMAproduction license.
Message (red)	Printer waits for an operator answer in the message window.
Printing (green)	Printer prints a job.
Waiting (red)	Printer waits for an occupied printer, which is connected via TCP/IP.

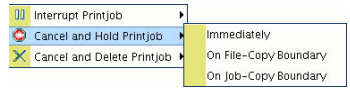
'Printer Pool': Tool Bar and Menu Functions

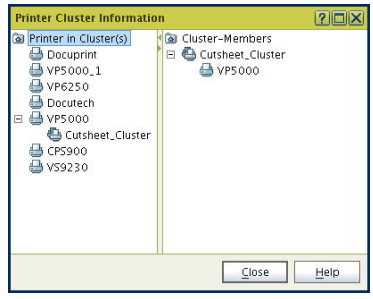
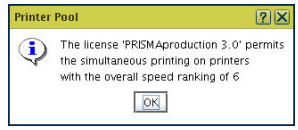
Introduction

The 'Printer Pool' functions, which are accessible via the tool bar and menus are described below:

Icon / Menu Entry	Description
Printer Menu	
'Settings ...'	See *'Printer Pool: Printer Settings'* on page 201
'Media Settings ...'	Opens a dialog, which allows you to add or modify the media, which are assigned to the input trays of the selected printer. You can only modify the list if the selected printer is not active. If you modify a media, which is assigned to an input tray, this media will be added to the list of user defined papers in the 'Paper' application (see *'Paper Configuration Tool'* on page 219). If you click the button with the three dots, you can add a paper from a list, which contains all standard and user defined papers.  Media Settings Medias assigned to Input Trays: Tray Name Color Type Size Weight Order Cou... Holes 1: A A4 white Standard 210.0 x 297.0 80 0 2: B A4pink pink Plain 210.0 x 297.0 80 0 3: C A4skyblue blue Plain 210.0 x 297.0 80 0 4: D A4vellow yellow Plain 210.0 x 297.0 90 0 4 5: E <No Paper> List of matching papers Name Color Type Size Weight Order Co... Holes A4 white Standard 210.0 x... 80 0 A3 white Standard 297.0 x... 80 0 A4_uncut white Standard 215.0 x... 80 0 A3_uncut white Standard 305.0 x... 80 0 B4 white Standard 250.0 x... 80 0 A5 white Standard 148.5 x... 80 0 A2 white Standard 420.0 x... 80 0 Letter white Standard 215.9 x... 80 0 Legal white Standard 215.9 x... 80 0 Ledger white Standard 279.4 x... 80 0 A4vellow yellow Plain 210.0 x... 90 4 A4skyblue blue Plain 210.0 x... 80 0 A4pink pink Plain 210.0 x... 80 0 <No Pa... Ok Cancel Help
'Printer Panel ...'	The 'Printer Panel' icon or menu entry is only active, if a TrueProof printer is configured and selected.
'Maintenance Report ...'	See *'Printer Pool: Printer Maintenance'* on page 204

Icon / Menu Entry	Description
Printer Menu	
'Activate Printer' 'Disable Printer' 	Printers can be separately enabled or disabled. When a printer is enabled, the corresponding print server process is loaded and started. When the printer state is "halted" (for example because the current print job has been interrupted), it can be reactivated by selecting the 'Activate Printer' command.
'Reset Printer' 	Cancels and resets an active printer process. Before the command is executed, you are prompted to confirm this action because of a possible data loss. Additionally the user has to try to stop that printer and interrupt the running print job, before this command is executed. This procedure is required because of the really dangerous data loss problems.
'Claim Printer'	Opens a dialog box where you can select a user group to which all new messages for the selected printer will be assigned.

Icon / Menu Entry	Description
Printer Menu	
'Cancel Job and Halt Printer'	This entry opens a dialog box, where the user selects the job cancel procedure. The toolbar additionally contains a sub-menu, where the cancel procedure can be selected directly. To open this menu, click on the "arrow down" button to the right of the stop sign.  **Action** Every cancel command sets the printer into the "Halted" state. After interrupting the printout, you can print one or more jobs belonging to a different job queue. Once these jobs have been printed, you can switch back to the job queue you interrupted and then continue the printout. ■ 'Interrupt Printjob' Halts printing of the current job and sets the printer into the 'Halted' state The job stays in the queue. If it will be printed again, printing will resume at the point, where the job was interrupted. ■ 'Cancel and Hold Printjob' Halts printing of the current job and sets the printer into the 'Halted' state. The job stays in the queue and if it will be printed again, it will be reprinted from the beginning. ■ 'Cancel and Delete Printjob' Halts printing of the current job and sets the printer into 'Halted' state. The job is deleted from the job list. **Boundary** Each of the cancel commands requires a selection of the boundary, on which the command should be executed. ■ 'Immediately' Cancels the job immediately ■ 'On File-Copy Boundary' Cancels printing of the current job when the current copy of the current print file has been printed. ■ 'On Job-Copy Boundary' Cancels printing of the current job when the current copy of the job (containing more than one file) has been printed.
View Menu	

Icon / Menu Entry	Description
Printer Menu	
'Toggle View'	Clicking this entry, you can switch between 'Table view' and 'Symbol view'.
'Orientation'	In the 'Symbol view' select whether the printer symbols should be presented horizontically or vertically.
'Wrap Lines'	Opens a dialog box, which allows you to select columns of the 'Table view' for which the lines should be wrapped.
'Font ...'	Opens a dialog box, which allows you to select a font and font properties for the 'Table view'.
'Edit Filter ...' 'Open Filter' 'Save Filter As ...' 'Delete Filter ...'	See *'Printer Pool: Printer Filter'* on page 207
'Messages ...'	Opens the message window but displays messages of the selected printer only.
'Cluster ...'	Opens a dialog where the printer cluster configuration is displayed in two views: - which printer is member of which clusters - which cluster contains which printers as it's member: 
'Refresh'	Refreshes the printer pool entries.
Help Menu	
'Licensed Print Speed'	Opens a dialog box, where the licensed speed ranking of the PRISMAproduction Server license is displayed: 

'Printer Pool': 'Printer Settings'

Introduction

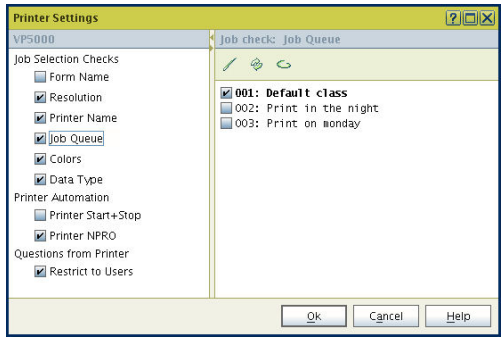
This dialog contains the rules for each printer separately, how the print jobs are assigned to the printer and which automatic settings are activated for that printer:

The settings are divided in 2 major parts:

- Job selection checks
- Printer automation

The left side of the dialog shows under Job selection checks all items, which can be checked. To enable the check, you have to mark the box. The right side of the dialog displays tabs for some items, which allow you to make further settings.

Illustration



'Job Selection Checks'

Checks before printing if the requirements needed for the printer are fulfilled.

Check before printing:	Description
'Form Name'	Allows you to assign manually a defined form to the printer. You can choose a predefined form form a drop down list or you enter the form in the text field directly. The form name may contain wildcards. **Example**: STD*0 accepts STD10, STD1110, STD1010 *T*1* accepts STD10, STD1110, STD1010 'Proceed with next Form' If selected, the printer switches to jobs with other forms automatically, instead of waiting for operator intervention.
'Resolution'	The printer compares it's configured resolution to that of the spooled jobs. If there is no match, the job is not printed on the printer. Deactivating this check box ignores the job specific resolution.
'Printer Name'	The printer compares it's configured name to the destination printer name of the spooled jobs. If there is no match, the job is not printed on the printer. Deactivating this check box ignores the job specific printer name.
'Job Queue'	The printer compares it's configured job queue(s) to the queue of the spooled jobs. If there is no match, the job is not printed on the printer. Deactivating this check box ignores the job specific queue. You can assign one, more or all defined job queues for each selected printer. Only job queues predefined in your system can be assigned (by using **Configuration** -> **Jobqueue** and **Configuration** -> **Printers**). By default, only queues 1 to 3 are defined. Per printer more than 100 active queues are supported.
'Toner Colors'	The printer compares it's configured color id ('Toner Stations' in 'Configuration' -> 'Printers') to the colors specified in the spooled jobs.
'Data Type'	The printer compares it's data type definition to that of the spooled jobs. If there is no match, the job is not printed on the printer. Deactivating this check box ignores the data type, specified in the job.

'Printer Automation'

Allows you to set NPRO and to let the printer start automatically as soon as a job arrives.

UI Element	Description
'Printer Start+Stop'	This feature allows printer sharing over the network. Select it, if you want any printer to be activated automatically as soon as a print job arrives. The printer will be disabled as soon as the job is printed and after the NPRO time elapses. The value of 0 seconds causes here to stop the printer immediately, if no subsequent job is available for that printer. It can be activated again by the spool if a new job is waiting for this device.
'Printer NPRO'	If no new job is submitted to the printer after the last page of a document has been printed, the print server generates blank pages in order to eject the last printed page into the stacker. You can specify the time that must elapse (the NPRO time) before the final page is automatically ejected. The setting takes effect after the start of the next job. The default value of 00.00.00 (HH.MM.SS) causes the print server to wait indefinitely. The pages are then stacked only if the printer is deactivated or a new job starts printing. The maximum time are 12 hrs. If the value is out of range, the time will automatically be set to the minimum or maximum value for the next print job.

'Questions from Printer'

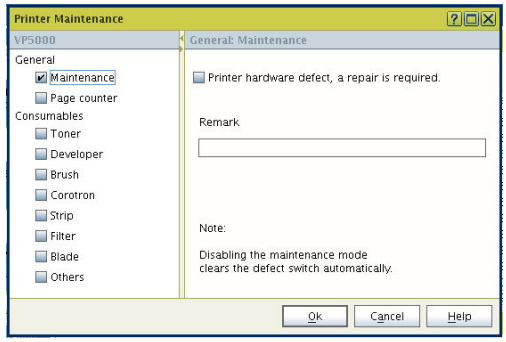
UI Element	Description
'Restrict to Users'	If you activate this entry, you can select users from a list, which should get operator requests.

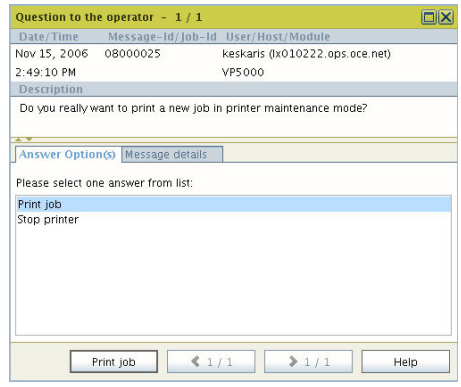
'Printer Pool': 'Printer Maintenance'

Introduction

If you click this icon ( ) or the corresponding menu entry, a window is opened which provides a reporting function for the accounting whenever the operator carries out maintenance tasks on the printer (for example replaces or refills consumables like developer stations or toners).

Illustration



UI Element	Description
'Maintenance'	Switch on/off the printer maintenance mode. The mode remains active until deactivated. All jobs which are printed in this mode will be marked as 'printed in maintenance mode' in the accounting (normally only for test prints which are not relevant for the customer). For every print job, which is printed in this mode, a special message has to be confirmed:  'Printer hardware defect, a repair is required.' If you check this box, the printer is disabled and becomes the status 'Defect'. If the maintenance mode is switched off, the defect switch is cleared automatically.
'Page counter'	Here you can enter the counters which the printer internally displays.

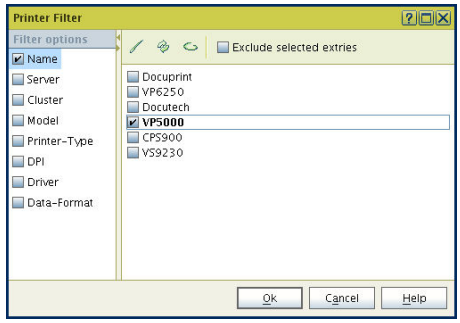
UI Element	Description
'Consumables'	Use this section to log the activities related to consumables (for example 'change', 'refill' or 'clean'. Additionally you can also indicate for example how much toner has been refilled. The 'Consumable name' field can be edited if the administrator did not predefine consumables in 'Configuration' -> 'Consumables' (see chapter "Consumables" in the PRISMAproduction Server Administration Tasks and Settings Guide). If the consumables have been preconfigured, only these elements are selectable and no free-form text can be entered. The text field 'Remark' is also filled automatically with the contents of the 'Description' column in 'Configuration' -> 'Consumables'. In this case the text can be modified by the operator. In the entry 'Others' still unknown (not configured) consumables can be typed in. If you click "OK", the information is transferred to the accounting database.

'Printer Pool': 'Printer Filter'

Introduction

Click this icon: to open a dialog box for selecting a filter. If the filter is active, only printers matching the filter are displayed.
The tree on the left side displays all available and filtered columns. The right side displays the filter for the currently selected tree entry.
Each selected entry in the tree leads to a new tab on the right side of the dialog:

Illustration



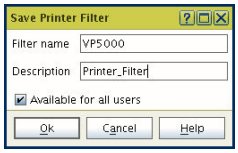
Printer Filter Window

UI Element	Description
'Name'	Filter for printer names.
'Server'	Filter for server, which the printer is connected to.
'Cluster'	Filter for cluster, which are defined in the system.
'Model'	Filter for supported printer models.
'Printer-Type'	Filter for basic printer types.
'DPI'	Filter for printer's resolution.
'Driver'	Filter for printer driver.
'Data-Format'	Filter for printer's data formats.

UI Element	Description
Icons	The list selection area in this dialog has a small toolbar with these items: Select none Invert selection Select all Additionally you can 'Exclude selected extries' from the filter.

'Save Filter As ...'

Opens a dialog, which allows you to define a name and a description for the filter and then to save the selected filter configuration:



After saving, the filter can be selected if you click the small arrow icon next to the filter icon or by selecting the entry **Open Filter** in the Printer Pool **View** menu.
Additionally the filter can be selected to be visible for the current user only or for all users and if the window, opened by the new entry should open in a separate window by default.

'Delete Filter ...'

Opens a small dialog box, where you can select theprinter filter which should be deleted .

'Input Status'

'Input Status'

Introduction

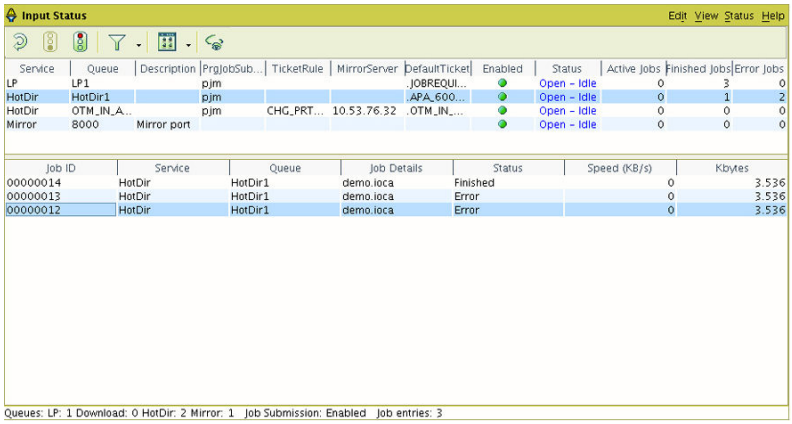
This window shows the 'LP', 'Download' and 'HotDir' input queues, their status and the jobs which are currently received. Additionally this window supports activating and deactivating of individual queues.

The windoow can be switched between table- and symbol view.

See also: chapter "Input Modules" -> "Download", "HotDir" and "LP" in the PRISMAproduction Server Administrator's Guide.

Note:
During very high load of jobs the jobs shown in the window may not be real time or the window may freeze completely. This does not have any influence to the job transmission. The window is usable again, after it is reopened.

Illustration


Input Status
Edit View Status Help
Service Queue Description PrgJobSub... TicketRule MirrorServer DefaultTicket Enabled Status Active Jobs Finished Jobs Error Jobs
LP LP1 pjm .JOBREQUI... Open - Idle 0 3 0
HotDir HotDir1 pjm .APA_600... Open - Idle 0 1 2
HotDir OTM_IN_A... pjm CHG_PRT... 10.53.76.32 .OTM_IN_... Open - Idle 0 0 0
Mirror 8000 Mirror port Open - Idle 0 0 0
Job ID Service Queue Job Details Status Speed (KB/s) Kbytes
00000014 HotDir HotDir1 demo.loca Finished 0 3.536
00000013 HotDir HotDir1 demo.loca Error 0 3.536
00000012 HotDir HotDir1 demo.loca Error 0 3.536
Queues: LP: 1 Download: 0 HotDir: 2 Mirror: 1 Job Submission: Enabled Job entries: 3

[233] Input Status Table View

Input Status
Edit View Status Help
LP1 Open - Idle 0/0/0
1234 Open - Idle 0/0/0
5000 Open - Idle 0/0/0
HotDir1 Open - Idle 0/0/0
OTM_IN_APA_AFP Open - Idle 0/0/0 Trapping AFP...
8000 Open - Idle 0/0/0 Mirror port

[234] Input Status Symbol View

The upper half of the window displays all input channels of the type **LP printer**, **Download port** and **HotDir directory** you have created on the system.
A filter allows you to display only one type of channel.
The status of the queue is displayed:
'Open - Idle' = ready to receive data
'Open - Receiving' = the system is receiving a print job
'Closed' = the respective daemon is down, no data can be received
Via the menu or toolbar you can manually activate or deactivate the daemons. You can also reset the job counter.
The table in the lower half of the window displays the jobs which have been sent to the input queues. You can display either the jobs of one channel type or all jobs.

Tool Bar Icons

Icon	Description
	Reset job counter. Resets the counter for active, finished and error jobs to o. The job list below is deleted.
	Enable input channel.
	Disable input channel.

Icon	Description
	Filter applications: 'No Filter', 'LP', 'Download', 'HotDir'.
	Toggle View: **Table view**: Shows information in form of a table. **Symbol view**: Displays the same information as symbols
	'Show all Jobs': Displays all jobs of all input channels.

'Local files'

'Local files'

Introduction

The 'Local files' entry provides access to files on your local computer system.
Generally existing access rights for files and directories are observed. Only these functions are offered, which are allowed for the respective object.

The 'Local files' entry provides the usual functions for managing files. You can select two start positions:

'/' ():
Provides access to the local file system (highest level).

'Home' ():
Displays the home directory of the user, who is logged on. This directory has been created by the system when a new PRISMAproduction Server user with auto login has been set up on the PRISMAproduction Server master. This $HOME directory is also accessible via the PJM. The administrator defines the write permission for this directory in the permission management application (see chapter User Management -> User Permissions in the PRISMAproduction Server Administrator's Guide).

The files on **all** servers in the PRISMAproduction Server cluster are accessible via 'Server Files'.

Local Files Window

Column Titles

Column	Description
'File name'	Name of the file
'Type'	File type (file or directory)
'Size'	Size of the file or number of directories or files in the directory.
'Last modified'	Specifies when the file was last modified
'Access'	Access rights: '-/-': No access 'r/-': Read access 'r/w': Read/Write access '-/w': Write access

Tool Bar Icons

Icon / UI Element	Description
'Cancel current operation'	Cancels the operation
Directory List	Shows the open directory. Clicking the arrow down button opens a history of the previously visited directories.
'Change to parent directory'	Changes from the open directory to the next-higher directory in the hierarchy.
'Update directory'	Rereads the directory from the operating system.
'Create new directory'	Creates a new directory in the opened directory.
'Delete selected files'	Deletes selected files.
'Cut selected files to clipboard'	Cuts selected files to the clipboard.
'Copy selected files to clipboard'	Copy selected files to the clipboard.
'Paste files from clipboard'	Pastes files from the clipboard to the opened directory.

'File' Menu (additional functions)

Menu Entry	Description
Open	Opens a selected directory. The file is opened using the program, which would usually be used by the operating system. You can open a PDV file with all available PDV versions, if there is no other viewing program assigned on the operating system level. Double clicking the file or directory has the same effect.
'&Compare...'	Compares directories (see below)
Search...	Adds the search dialog to the directory viewer. You can search for a file **Name** (wildcards * and ? are allowed) or for **Content** (text, which is in the file, you search for) or for files of a certain size/modification date. You can also include subdirectories in the search.

'View' Menu (additional functions)

Menu Entry	Description
'Files in subdirectories'	Check this option to show the subdirectories:

Functions in the list

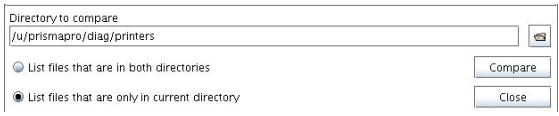
You can select multiple entries by pressing Shift while you click the entries. Right-clicking an entry opens a shortcut menu with functions, which depend on the context, for example.: **Open**, **Copy**, **Cut**, **Paste** and **Delete**.

Double-clicking an entry has the same effect as **Open**.

Compare Directories

You can call this function from the **File** menu on the 'Local files'and 'Server Files' applications.

This tool compares the actual directory to another. Via the 'View' menu you can also include subdirectories.
The comparison itself is based on the filenames. The result of the comparison is displayed on a separate tab with the addition [compare] in the title bar.



UI Element	Description
'Directory to compare'	You can either key in the name of the directory which should be compared with the current directory or click the 'Open file' icon to open a file selection dialog box. The current directory is the one open on the screen in which you select the Compare function. It is referred to in the upper area of the window and also on the tab.
'List files that are in both directories'	The comparison will list the files that are present in both directories.
'List files that are only in current directory'	The comparison will list the files that are present only in the current directory.
'Compare'	Starts the comparison
'Close'	Closes the window area with the compare function.

Configuration

Usage of the Configuration Interfaces

General Usage of the Configuration Applications

Introduction

Because of the database concept, some icons and control elements appear with the same functionality in many of the configuration applications. This chapter explains these elements and will be referred to in the subsequent chapters.

Editing configuration data

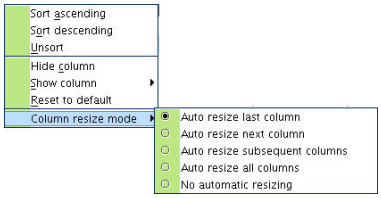
The configuration data is stored in the form of database tables. Each table consists of rows and columns. When you select a row, you can edit its contents provided its value is not derived from values in other fields. To modify a column entry, double click it with the mouse. There is a standard set of functions and icons for editing tables:

Configuration Icons

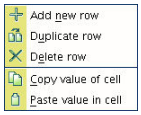
Icon	Description
Add new Row / Item	Inserts a new row or item following the selected one.
Delete Row / Item	Deletes the selected row or item.
Reload /Discard all Changes	Shows the actual status of the data stored in the database. Any changes that you have made via the interface are discarded if you do not save them prior to executing this function.
Save	Saves to the database any changes that you have made via the interface.
Duplicate Row / Item	Duplicates a row or an item in the database. The entry can be modified afterwards.

Context Menus

If you click with the right mouse button on a column title a context menu opens with functions to sort the list or to hide and display colums.



If you click with the right mouse button in the list a context menu opens with commands to insert or delete rows.



Predefined Entries in Tables

If a column must contain a predefined entry, a double click on the column displays a list of the entries you can pick.

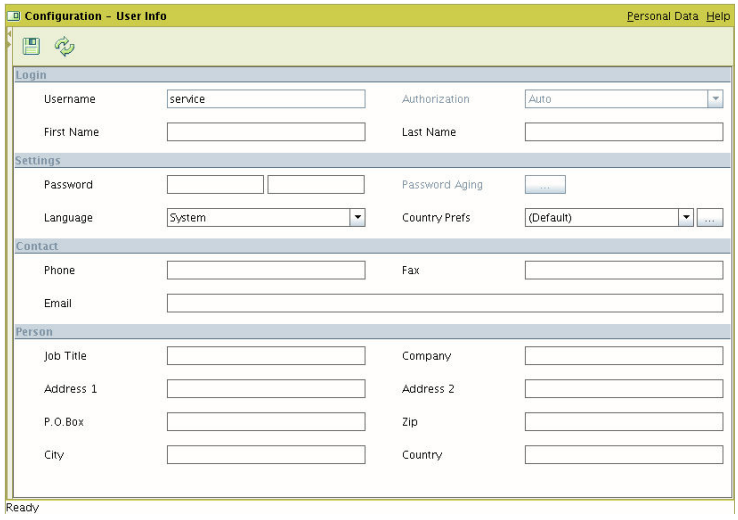
'User Management'

'User Management': 'User Info' for 'operator' and 'applic'

Introduction

Here the data for the user, who is currently logged in, are displayed.

Illustration



User Info Window

The information in this window can also be viewed by users who have no permissions for the user management. If the user, who is logged in, is an LDAP user, this window displays the data which is managed by LDAP - as long as the data can be assigned to PRISMAproduction Server fields.

Every user can make or modify the settings for his or her account in this window. This includes also the settings for the user language and the country preferences, which can be different from the global settings in 'Configuration' -> 'System'.

Note:
The 'Authorization' settings cannot be modiefied here.

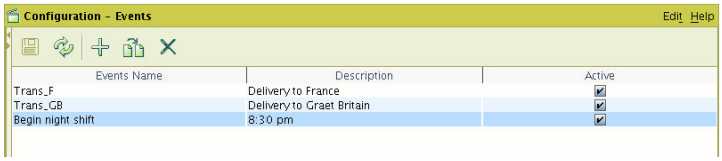
'Events'

'Events' Configuration

Introduction

It is possible to make the start of a job dependent on the occurrence of a particular event. Job execution is directed with the "Start Job Events" and "Start Print Events" functions in the **Job Attributes Section** of the PJM (see chapter "Job Attributes" -> "Start Job Events" and chapter "Job Attributes" -> "Start Print Events" in the PRISMAproduction Server User's Guides.
The events that users can choose in the PJM to direct job execution have to be defined using this configuration interface. This interface is also used during processing to confirm the occurrence of a particular event.

Illustration



Column Titles

Column	Description
'Events Name'	Name of the event. This is used in the PJM for directing and controlling the events. A typical event name would be “roll loaded”.
'Description'	For instance “roll with red paper must be loaded on the printer”.
'Active'	Setting an event to “active” state indicates that it has occurred. This setting can also be changed by the operator.

For a description of the menu and toolbar icons see: *‘General Usage of the Configuration Applications’* on page 215.

'Paper'

'Paper' Configuration Tool

Introduction

You can use this dialog to define paper types which are available throughout the whole system. You need paper types:

- for the use in DPconnect,
- as input parameters for conversion. Most of the default paper types are already predefined in the 'Standard Paper' table. They are also offered in the 'Convert' dialog in the PJM. For the conversion only the size of the paper is relevant,
- to describe the contents of the input trays. You can use the 'User defined Paper' table to define any paper with specific attributes.

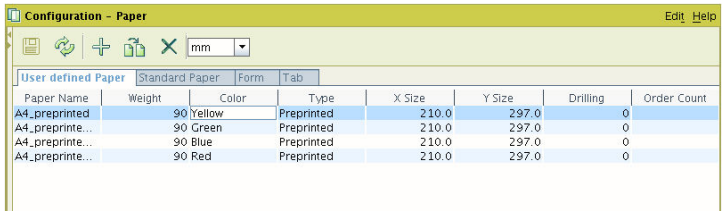
Use the 'Form' table to define forms which can be assigned to a job under the PJM dialog 'Job Attributes' -> 'Print'. The form names also appear in the job lists.

The 'Tab' table displays all available tabsets together with their description. These tabs are available in the 'Tab Printing' dialog of the PJM (POD only). You have to select the tabset which corresponds to the tabset inserted into the printer.

With the tabs 'Standard Paper' and 'User defined Paper' you can chose between the units 'mm' and 'inch'

You can switch between four tabs to show or modify the different tables:

Illustration



Description of the tabs:

Tab	Description
'User defined Paper'	Select this entry to set up user defined medias and to specify various media attributes (see table below). User defined papers can be assigned to printer input trays using the 'Media Settings' dialog in the 'Printer Pool' application
'Standard Paper'	Paper types which are most commonly used, are already predefined and are shown in the table, if you select this entry. These papers are only defined by size. Standard papers can be assigned to printer input trays using the 'Media Settings' dialog in the 'Printer Pool' application (see chapter "Printer Pool" -> "Tool Bar and Menu Functions" in the PRISMAproduction Server User's Guides).
'Form'	Select this entry to define forms, which are assigned to a job via the PJM 'Job Attributes' -> 'Print' dialog.
'Tab'	All available tabs are described in this table. These tabs are provided fpr tab printing in the PJM. You have to select the type, which has the same number, size and sorting as the tabs inserted.

If you select 'User defined Paper' you can define the following parameters for each paper:

Column	Description
'Paper Name'	Freeform name to identify the paper. Choose some standard names from a list box if you click into the name field. Maximum length: 40 characters.
'Weight'	Paper weight. Integer values from 40g/m² to 200g/m².

Column	Description
'Color'	Any color of the paper. Some colors are offered in a list box. 'Transparent' switches 'Type' to transparent film. Max. length of the field: 40 characters. For every color in the combo box a defined hex code will be inserted in the data stream. For other colors, which you insert manually, a special hex code for 'Custom Color' is inserted. Additionally you can use so called color prefixes: clear, light or dark, where clear can be combined with light or dark. **Example**: Possible combinations of the color red: red, clear red, light red, dark red, clear light red, clear dark red.
'Type'	'Standard' 'Transparentfilm' 'Precuttabulator' 'Preprinted'
'X Size'	Width of the paper in mm or inch.
'Y Size'	Height of the paper in mm or inch.
'Order Count'	Quantity of proposition of sorted printed sheets, between min. 0 and max. 100.
'Drilling'	In case of drilled paper insert max. 4 holes. DPconnect needs the setting 'Drilling=3'.

If you select 'Form' you can define the following parameters for each form:

Column	Description
'Form Name'	Freeform name, max. 8 characters.
'Form Description'	Description of the form, max. 255 characters.

Workflows

Workflow 'Tab Printing'

Introduction

With tab printing you have to specify a tabset. You have to select a tabset, which corresponds to the size, number and sorting of the tab sheets inserted. The name of the tabset describes also its properties.

- **Example 1**: A4Tab03E1n: 'A4 Tabs with 3 Sheets Single Flag (1-n)'
- **Example 2**: LetTab07W1n: 'Letter Tabs with 7 Sheets Waterfall (1-n)'

Tab printing is supported in two modes:

Printing without resource file:

The document contains all information to insert tabs on the correct positions. There are two possibilities:

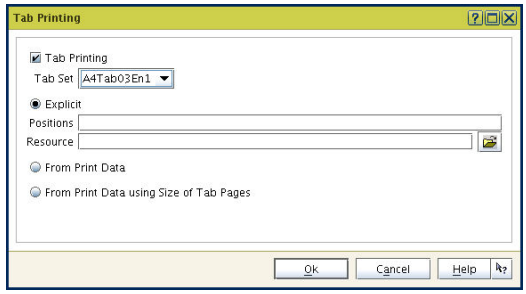
- Information on the position of the tab pages is available in the document. Setting 'From Print Data'.
- The tab pages are available in the data stream and are identified by their size. Setting 'From Print Data using Size of Tab Pages'.

Printing with resource file (setting 'Explicit'):

There is no information on tabs in the document to be printed.

A resource file containing tab pages must be available in addition to the print file. This resource file has been created using a special tool and has been saved as 'Resource' of the type 'Tab Resource' in the PJM 'Store' options. Under 'Positions' you indicate, before which document pages a tab page has to be inserted.

Illustration



UI Element	Description
'Tab Printing'	Has to be activated to make the settings for tab printing.
'Tab Set'	The required tab set is set here.
'Explicit'	The positions of the tab pages are indicated explicitly. The tab pages are expected in a resource file. 'Positions': Indicate the pages of the input document, before which a tab page should be inserted. The input document is the document, which does not yet contain tab pages. Rules for entering the position: ■ The single positions are separated by a semicolon. ■ Values must be in ascending order. ■ With duplex/tumble documents you have to take care that the position always refers to a front page (you cannot insert tab sheets before back pages). ■ The positions can be described by the following expressions ('n' is the last page of the input document): integer n n - integer n / integer n / integer - integer n / integer + integer n + 1 'Resource': Indicate a resource file, which contains only tab pages.
'From Print Data'	The positions of the tab pages are already part of the data stream of the print data (makes only sense with a DPconnect file).

UI Element	Description
'From Print Data using Size of Tab Pages'	The data stream contains pages, which can be identified as tab pages by their size. This method can only be used with special DocSetter documents.

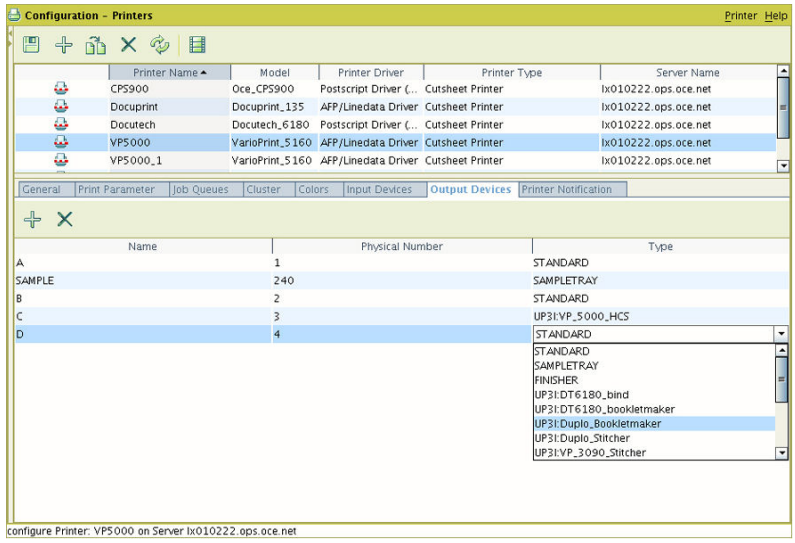
Workflow UP3I Devices

Introduction

The UP3I parameters are processed by the Professional Document Composer, which adds the information to the data stream.

The connection of UP3I devices is realized via a special output tray. This output tray is created in 'Configuration' -> 'Printers' -> 'Output Devices'. In the "Type" column select the UP3I device from a list.

Illustration



Configuration of UP3I Devices

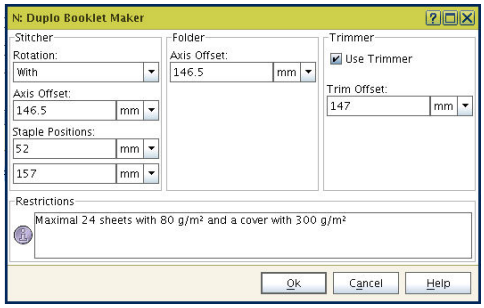
If you select the tray with the UP3I devices as 'Output Tray', the button 'UP3I Devices' becomes active in the PJM 'Job Attributes' -> 'Print' dialog.

Select 'Job Attributes' -> 'Print' -> 'UP3I Devices' to enter parameter for these devices. Every device configured in 'Configuration' -> 'Printers' -> 'Output Devices' is represented by a tab. The parameters offered refer to the device on the active tab only. You can decide for example in case of a stitcher, which corner of the paper is to be stitched or in case of an cutter you define the line for the cut.

If the output tray is changed, the PJM checks if the UP3I parameters fit to the new tray. If they don't fit, the PJM offers to remove the parameters.

The following UP3I devices can be configured:

Duplo Booklet Maker



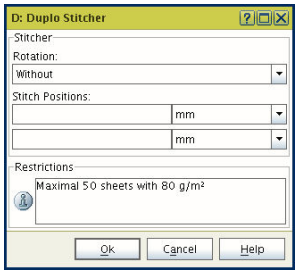
UI Element	Description
Stitcher	**Use Stitcher**: ■ Activate Stitcher. 'Without': no rotation; 'With': Rotate by 90 degrees. The rotation works only for formats like A4, letter and similar formats. **Axis Offset** Distance from the outer edge to the inner edge. For recommended values see table below. **Staple Positions** The staples will always be positioned centric. You can influence the distance of the staples by entering values in these fields.
Folder	**Axis Offset** Distance from the outer edge to the inner edge. For recommended values see table below.
Trimmer	**Use Trimmer** Activate trimmer. The trimmer cuts the booklet along the open edge to avoid creeping of the pages. 'Trim Offset': Distance from the outer edge to the inner edge. For recommended values see table below.
Restrictions	Information on the restrictions of this postprocessing type.

Recommend Settings for Duplo Bookletmaker:

Format name	Format size	Printing direction	Position in Duplo	Rotation	Stitch Axis Offset	Fold Axis Offset	Staple Position A	Staple Position B	Trim Offset
A4	**210 x 297 mm**	**LEF**	**SEF**	**Yes**	**148,5**	**148,5**	**52**	**157**	**147**
A4 +	215 x 305 mm	LEF	SEF	Yes	152,5	152,5	54	162	149
A4 SEF	297 x 210 mm	SEF	SEF	No	148,5	148,5	52	157	147
Letter	**216 x 279 mm**	**LEF**	**SEF**	**Yes**	**139,7**	**139,7**	**54**	**162**	**138**
Letter SEF	279 x 216 mm	SEF	SEF	No	139,7	139,7	54	162	138
Legal	356 x 216 mm	SEF	SEF	No	177,8	177,8	54	162	176
Ledger	**432 x 279 mm**	**SEF**	**SEF**	**No**	**216**	**216**	**70**	**210**	**214**
A3	**420 x 297 mm**	**SEF**	**SEF**	**No**	**210**	**210**	**75**	**225**	**208**
A3 +	430 x 305 mm	SEF	SEF	No	215	215	76	228	210
General	length x width	LEF	SEF	Yes	width/2	width/2	length/4	length * 3/4	width/2 - 2 mm
General SEF	width x length	SEF	SEF	No	width/2	width/3	length/4	length * 3/4	width/2 - 2 mm

All values are in mm. The most common formats appear **bold**. LEF=Long edge forward. SEF=Short edge forward.

Duplo Stitcher



UI Element	Description
Stitcher	**Rotation**: Without: no rotation; With: Rotate by 90 degrees. **Stitch Positions**: The staples will always be positioned centric. You can influence the distance of the staples by entering values in these fields.
Restrictions	Information on the restrictions of this postprocessing type.

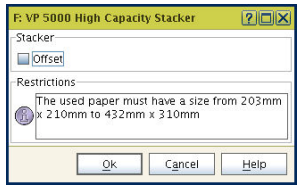
Recommended Settings for Duplo Stitcher

Format name	Format size	Printing direction	Position in Duplo	Rotation	Stitch Position A	Stitch Position B
A4	**210 x 297 mm**	**LEF**	**LEF**	**No**	**75**	**225**
A4 +	215 x 305 mm	LEF	SEF	No	76	228
A4 SEF	297 x 210 mm	SEF	LEF	Yes	75	225
Letter	**216 x 279 mm**	**LEF**	**LEF**	**No**	**70**	**210**
Letter SEF	279 x 216 mm	SEF	LEF	Yes	70	210

Format name	Format size	Printing direction	Position in Duplo	Rotation	Stitch Position A	Stitch Position B
Legal	356 x 216 mm	SEF	Not passible			
Ledger	**432 x 279 mm**	**SEF**				
A3	**420 x 297 mm**	**SEF**				
A3 +	430 x 305 mm	SEF				
General	length x width	LEF	SEF	Yes	length/4	length * 3/4
General SEF	width x length	SEF	SEF	No	length/4	length * 3/4

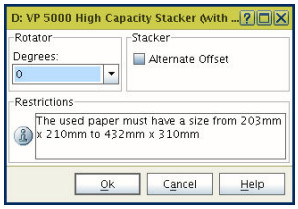
All values are in mm. The most common formats appear **bold**. LEF=Long edge forward. SEF=Short edge forward.

VP 5000 High Capacity Stacker



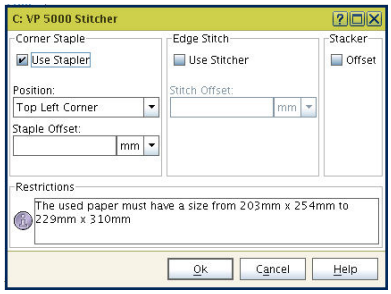
UI Element	Description
Offset	Indicate if you wish an offset when stacking.
Restrictions	Information on the restrictions of this postprocessing type.

VP 5000 High Capacity Stacker (with Stitcher)



UI Elemen	Description
Rotator	**Degrees**: Select a rotation by 0 or 90 degrees.
Stacker	**Alternate Offset**: Indicate if you wish an offset when stacking.
Restrictions	Information on the restrictions of this postprocessing type. **Note**: You cannot use rotation and stacker at the same time! This leads to a paper jam.

VP 5000 Stitcher



UI Element	Description
Corner Staple	**Use Stapler**: Activate device. 'Position': Select the corner, where the staples should be positioned. 'Staple Offset': Enter an offset value.
Edge Stitch	**Use Stitcher**: Activate device. 'Stitch Offset': Enter an offset value, which indicates the distance from the upper and lower edge of the paper. If nothing is entered here, the staples will be placed near the upper and bottom edge of the document.

UI Element	Description
Stacker	**Offset**: Indicate if you wish an offset when stacking. Stacker means here the internal stacker of the stitcher.
Restrictions	Information on the restrictions of this postprocessing type.

The UP3I values will be added to the ticket parameters.

Workflow 'Color Selection'

Introduction

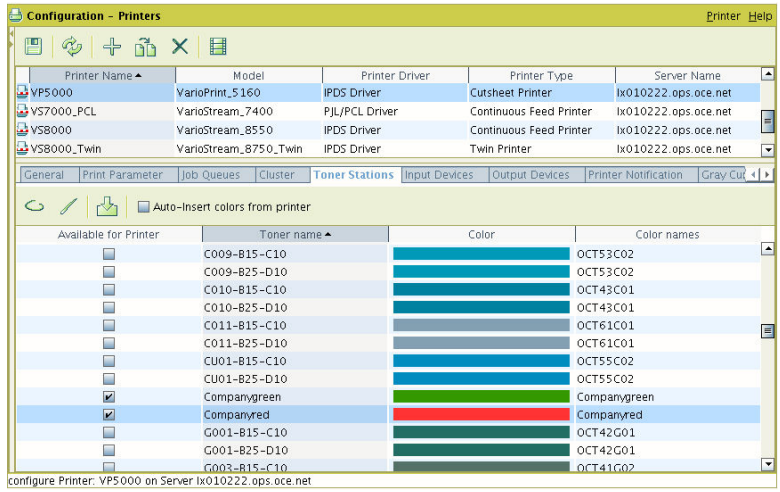
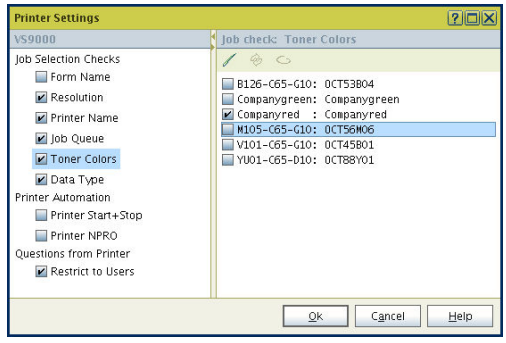
You can define the colors in the PJM to ensure, that the print job submitted is printed with the correct colors.

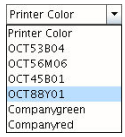
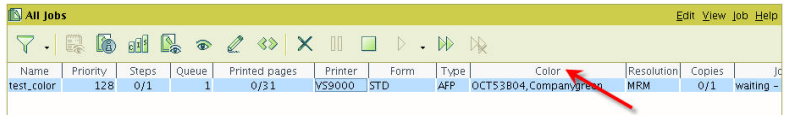
Select Colors in the PJM

You can define the colors for the print job in the PJM dialog 'Job Attributes' -> 'Print'. The number of possible settings corresponds to the number of toner stations installed in the selected printer. You can configure this number in 'Configuration' -> 'Printers' -> 'General'. The toner colors selectable in the PJM -> 'Job Attributes' -> 'Print' dialog can be provided with the following procedure:

Steps to configure the Printer Colors

Step	Action
1	In the 'Explorer' open 'Configuration' -> 'Printers' -> 'Toner Stations':

Step	Action
2	On this tab you find a list with all toner colors currently available from Océ as well as the user defined toners which you configure under 'Configuration' -> 'Consumables' (see chapter 'Consumables' Configuration in the PRISMAproduction Server Administration Settings and Tasks Guide). For the selected printer check the boxes of the desired toners under 'Available for Printer'.  'Toner name' and 'Color names' of the selected toners are also displayed in the 'Printer Settings' dialog of the 'Printer Pool' application. Here you can mark those colors which should be checked before printing: 

Step	Action
3	In the PJM in 'Job Attributes' -> 'Print' dialog you can now select the toner color for the respective toner station of the active printer in the 'Color Selection' section:  'Color Selection': The color allocations configured in 'Configuration' -> 'Printers' -> 'Toner Stations' are offered here. The number of list boxes shown depends on the toner stations installed in the selected printer. If you submit this print job, the color names also appear in the "Color" column of the 'All Jobs' application: 

Workflow for scaling PDF files

Introduction

With UNITY version 3.00.12 and higher it is possible to modify the size and position of PDF files. These modifications are only possible with PDF files because the format consists of independent single pages. PostScript as a computer language is able to produce pages with repeated program loops. This has the effect that the pages are not independent anymore and cannot be scaled as individual sheets.

You have the following possibilities for scaling:

a	**Keep the original size of the document**: It is sufficient to define the document format as paper format. **Example**: The page size set for the PDF (or PS) document is DIN A4. Insert DIN A4 as paper size in the converter dialog.
b	**Use a larger paper format but keep the original size of the document**: **Example**: In the converter dialog DIN A3 is set as paper format. The document in letter format is to be placed unchanged on this page. Because the target format (A3) is larger than the original format (letter), you have to define, on which position on the target page the document has to be placed. This is also required if the paper format is smaller than the size of the document. In this case the oversize contents of the documents is cut off.
c	**Scale the document to any paper format**: For this purpose you have to define the desired paper format and to check the option "Fit width or height respectively" in the converter dialog. With this setting the document will be scaled proportionally until one paper edge either left or right or on top of the page is reached. You also have to define the position of the document as described below.

You have the following possibilities for positioning:

Top Left	Top	Top Right
Left	Center	Right
Bottom Left	Bottom	Bottom Right

In case **a)** the preset standard position (according to the PostScript Graphics Model: Bottom Left) is used. The document page is therefore placed in the lower left corner of the paper format.

In case **b)** you can select any position.

In case **c)** you can select several positions. Depending on whether you scale fitting to paper width or paper height, you have three different methods to position the pages:

Scale to paper width:
- top of paper
- center of paper
- bottom of paper

Scale to paper height:
- left paper edge
- center of paper
- right paper edge

Note:
High magnification or diminishment of the contents of the document may lead to a loss of quality of the images, because these are mostly optimized for a 1:1 reproduction.

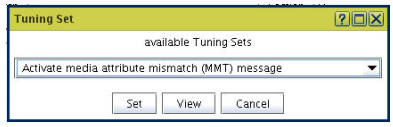
Workflow Media Assignement to Printers

Introduction

The following steps must be performed to make use of the Attribute based Input Media Selection (AIMS) features of a supporting printer model:

Steps

1. Set messages flags:
   It is advisable to activate a monitoring mechanism when working with media attributes. This mechanism will issue messages in case of a mismatch of the paper types defined in PRISMAproduction Server and provided by the printer. Therefore you can select a special tuning set "Activate media attribute mismatch (MMT) message" on the **Print Parameter** tab in 'Configuration' -> 'Printers'.



2. Create paper types:
   Under 'Configuration' -> 'Paper' define the papers you wish to use on your production system by entering a name and the intended media attributes. The paper names defined here will be assigned to input bins later on. It is necessary that the names and attributes match those entries defined on the target printers. Otherwise no match on media attributes will be possible. The following attributes characterize a paper

Paper Name	Freeform text, but must be unique.
Weight	As indicated on the package
Color	See table below.
Type	See table below.
Size	Width (X Size), Height (Y Size)
Order Count	Reserved for future functions
Drilling	Reserved for future functions

Available colors:

white
black
gray

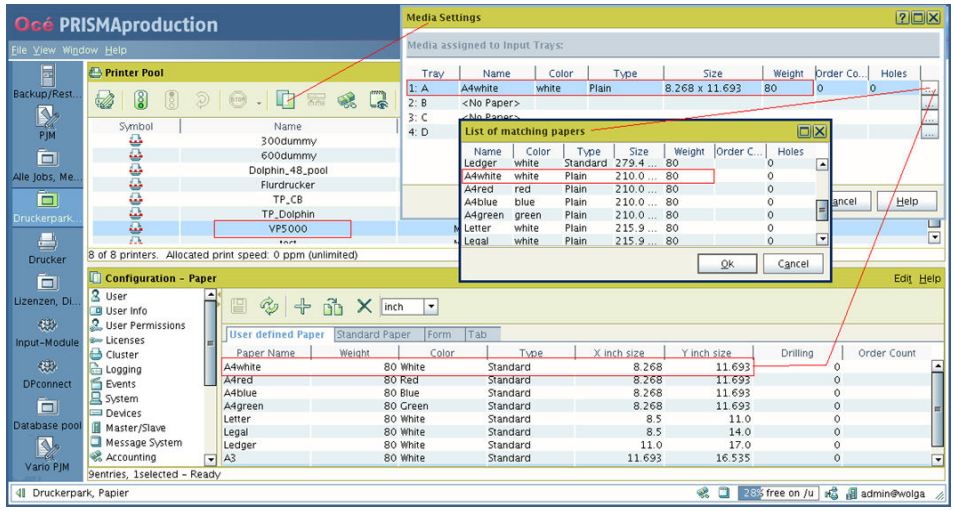
red
yellow
green
blue
turquoise
violet
orange
brown
gold
silver
noColor
pink
buff
ivory
goldenrod
mustard

Available Media Types:

Standard
Transparentfilm
Precuttabulator
Preprinted

3. Configuring Input Trays:
   In 'Configuration' -> 'Printers'select the 'Input Devices' tab and define for every Cutsheet printer as many input trays as the number of different medias you intend to use in your workflow.
4. Assigning media types to input trays:

In the 'Printer Pool' application select the 'Media Settings ...' icon to assign the media defined in the 'Paper' application to the input trays of the selected printer. These media can be regarded as your default media load.



Workflow Extended AIMS Concept

Introduction

With the PRISMAproduction Server version 3.02.18 a new extended 'Attribute based Input Media Selection' is introduced. This concept helps to overcome the following restrictions with the Océ VarioPrint printers:

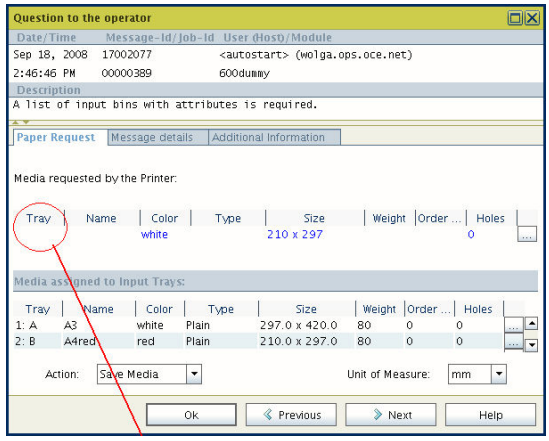
- Color and mediatypes are predefined on the printer. Custom defined names for color and media types are not possible.
- Tab / Ordered Material restrictions.

With this extended AIMS concept, settings, which before you had to perform on the printer itself, are now performed on the PRISMAproduction Server server.
Printer hardware related functions like clustering and tab printing must also be defined on the printer itself.
With this concept, it is also possible to run "pure" input bin number oriented printers like Océ Pagestream 75/55 or "only" medianame oriented printers like the Océ Pagestream 156 via IPDS.

Workflow

- In the 'Configuration' -> 'Paper' application you may define the media types with all respective attributes. You can enter any paper color you want (for example sky blue or blossom white). If you click on 'Media Settings ...' in the 'Printer Pool' application (tool bar icon or menu entry) you can configure a printer specific mapping table for the selected printer using the predefined paper names.
- Media attributes, defined in PostScript or DigiPath documents are preserved by the 'Unity' / 'DPconnect' / Professional Document Composer and preserved / incorporated in the AFP data, which are spooled in the PRISMAproduction Server spool.
- During printing, the IPDS backend scans the APF data for required media and compares the required media with the media already loaded on the printer. This loading is represented by the mapping table, you have created for the printer on the PRISMAproduction Server system. This table is obviously empty after installation or new definition of a logical printer.
- If the backend finds the required material in this mapping table, the respective tray number is invoked via IPDS.
- If the required paper is not found in the mapping table, the required attributes are displayed in a message window (see below), the operator loads the paper in one of the input bins of the printer and defines/documents this in this message window. This is

done by simply choosing the input bin for the required paper. No retyping of the attributes is necessary.



Operator has to assign the correct input tray, where the requested input media is loaded.

Note:
Mapping table is empty (or deleted) during installation and restore of backup. (During restore of a backup the actual paper-loading of the printer must not be restored).

Index

All Jobs
.....52
Job details viewer 71
Job list columns 54
Job states 57
Menu and tool bar functions 60
Standard filtered job lists (All Jobs, Active Jobs, Exception Jobs, Print Queue, Finished Jobs) ...52

C

Configuration
All Jobs 52
Events 218
General Usage of the Applications 215
Paper 219

E

Events Configuration
.....218
Explorer
Classic Explorer 38

F

Forms
.....220

I

Input Module
Display Input Module status info 209
Input Status
.....209

L

Local Files
Directory viewer 212

M

Menu Bars (Appearence)
.....34
Messages
Delete, find and create messages 80
Menus 80
Operator requests 93
Overview 77
View and filter messages 86

P

Paper Configuration Tool
.....219
Preferences
.....34
Print Job Manager
Components of the main window 112
Configure data viewers 158
Define job name, copies, printer and job queue 116
Expert Mode 159
File formats in the List of Files 128
File Selection Box 125
Introduction 111
Job Attributes: Custom settings 151
Job Attributes: Generate messages 134
Job Attributes: Header/Trailer pages 145
Job Attributes: Notify job states by eMail 150
Job Attributes: Overview 132
Job Attributes: Print options 139
Job Attributes: Start Job Events 147
Job Attributes: Start Print Events 149
Job Attributes: Store options 135
Job Menu 152
Job Parameter section 116
Job ticket parameter 153
Jobrequirements 153
Jobsplitting per job copies 119
List of Files handling (Edit Menu) 121
Main window overview 112
Mirror print jobs 153
Open the TrueProof viewer 158
PJM working modes 159
Preparation Mode 159
Production Mode 159
Ticket Menu (New, Open and Save tickets) ..114
Transfer Mode 153
Utilities Menu 158
Virtual directories accessible via the file selection box 130
Printer Pool

Create filtered printer lists 207
Job Selection Checks 201
Overview 193
Printer automation 203
Printer Maintenance 204
Printer Settings 201
Tool bar and menus 197
PRISMA Status
.....15
PRISMAproduction Menu
.....15

R

Reboot
.....15
Reset

S

Sessions
.....28
Sessions (User defined)
.....30
Shutdown
.....15

T

Tables (Appearence)
.....34
Tabs
.....220

U

Unity
AIMS: Extended AIMS 240
User Defined Paper
.....220
User Management
User Info Window 217
User Scripts
.....15
User Utilities
.....15

W

Workflow
Color Selection 232
Tab printing 222
UP3I devices 225
Workspaces
.....28
Workspaces (User defined)
.....30